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SERIES XIII

JUNE 1921

No. 3

BULLETIN

OF

**The Florida Agricultural
& Mechanical College**

(For Negroes)

TALLAHASSEE



1920-'21

THIRTY - FOURTH ANNUAL CATALOGUE

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Florida A. & M. College Press
Tallahassee

BULLETIN
OF THE
**FLORIDA AGRICULTURAL AND
MECHANICAL COLLEGE**
TALLAHASSEE



THIRTY-FOURTH ANNUAL CATALOG
1920—1921

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CALENDAR

1921

June 20	Monday	Summer School Begins
Sept. 24	Saturday	Refectory Opens
Sept. 26	Monday	} Entrance Examinations
Sept. 27	Tuesday	
Sept. 28	Wednesday	First Semester Begins
Nov. 24	Thursday	Thanksgiving Day
Dec. 5	Monday	Farmers' Week Begins
Dec. 24-27	Sat.—Tues.	Christmas Holidays

1922

Jan. 2	Monday	Emancipation Day
Feb. 1	Wednesday	Second Semester Begins
Mar. 1	Wednesday	Inter-Class Debate
May 26	Friday	(Faculty Prize) Oratorical Contest
May 27	Saturday	Senior Chapel
May 28	Sunday	Baccalaureate Sermon
May 29	Monday	Annual Music Recital
May 30	Tuesday	Alumni Day
May 31	Wednesday	Class Day
June 1	Thursday	Commencement

MANAGING BOARDS

STATE BOARD OF EDUCATION.

- *HON. SIDNEY J. CATTS, Chairman, Governor
- *HON. CARY A. HARDEE, Chairman, Governor
- HON. W. N. SHEATS, Secretary. Supt. Public Instruction
- HON. H. CLAY CRAWFORD, Secretary of State.
- *HON. VAN C. SWEARINGEN, Attorney General.
- *HON. RIVERS H. BUFORD, Attorney General
- HON. J. C. LUNING, State Treasurer, Treasurer.

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- HON. H. B. MINIUM, Barker, Jacksonville.
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- *HON. J. T. DIAMOND, Secretary, Tallahassee

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- JOHN F. MATHEUS, Auditor and Secretary.
- *HELEN D. FORBES, President's Secretary.
- *JUANITA M. GILBERT, President's Secretary
- ALBERTINA T. EDMONDSON, Auditor's Secretary.
- FLORENCE A. KENNEDY, Librarian and Registrar.
- EITTA B. DAVIS, Stewardess
- JULIA A. DAVIS, Matron in Charge of Dining Room
- CELIA A. BRADLEY, Supt. of Laundry
- JOHN G. LUMPKIN, Supt. of Grounds and Buildings

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- W. H. A. HOWARD, Dean of Mechanic Arts School
- A. L. MEBANE, Dean of Agricultural School
- B. M. HAWKINS, Dean of Home Economic School
- L. M. CROPPER, Dean of Women.
- *S. L. HARGRAVE, Acting Supt. of Sanatorium
- H. F. COLEMAN, Dean of Men
- E. P. JONES, Principal of Training School.
- ARNETTE E. RAMBEAU, Y. M. C. A. Secretary
- FLORENCE A. KENNEDY, Y. W. C. A. Secretary

*Part of the year.

OFFICERS OF INSTRUCTION

(Arranged in order of length of service.)

NATHAN B. YOUNG, A. M., Litt. D.,
Professor of Philosophy and Economics.

E. O. PAIGE.

Domestic Art.

WILLIAM H. A. HOWARD, A. M.,
Smith Hughes Professor of Mechanic Arts

LULU M. CROPPER,,
Associate Professor—Physiography and Education

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Nurse Training.

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Wheelwrighting and Blacksmithing.

RUFUS J. HAWKINS, A. B.,
Acting Professor of English.

JOHN F. MATHEUS, A. B.,
Professor of Latin and Modern Languages.

ELIZA P. JONES,
Primary Methods and English

HOMER THOMAS, A. M.,
Professor of Education.

SARA A. JENKINS, B. S.,
Geography and Physical Culture.

*LENORA S. HARGRAVES, R. N.,
Nurse Training.

§ BENJAMIN L. WAITES, A. M.,
Professor of Mathematics and Physics.

§ On leave of absence.

* Part of Year.

LECKWOOD W. BLACK,
Dairying and Poultry Raising.

ARNETTE E. RAMBEAU,
Painting.

C. B. MOON,
Domestic Art.

EARLY E. BROUGHTON, B. S.,
Business.

JOHN G. LUMPKIN ,
Agriculture

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Printing.

HENRY F. COLEMAN, A. B.,
Asst. Professor of Mathematics.

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Carpentry and Mechanical Drawing.

ALBERT L. MEBANE, B. Agr., M. S. A.,
Professor of Agriculture.

ROBERT G. BRUCE, B. S. A.,
Smith Hughes Professor of Agriculture.

GROVER HARDEN,
Engineering.

WALTER N. LOWE,
Tailoring

MAE E. BAXTER,
Music.

MABEL R. BROOKS,
Freehand Drawing.

*HELEN D. FORBES, A. B.,
Mathematics.

HARRIETT J. SMITH, A. B.,
Asst. Professor of English.

*Part of the year.

M. ERNESTINE GADSDEN, A. B.,
English and History

BESSIE M. HAWKINS,
Home Economics

BAYETTA R. DENT,
Domestic Science.

BARBARINA S. BRYANT,
Housekeeping.

B. L. PERRY,
Horticulture

*JUANITA M. GILBERT,
Typewriting and Bookkeeping

FLORENCE A. KENNEDY,
Library Methods.

*BERTIE MICKINS,
Assistant Music

WILLIAM J. GUNN, M. D.,
College Physician.

W. E. GREY, B. S., M. D.,
Lecturer.

JOHN E. HUNTER, M. D.,
Lecturer.

ANDERSON A. TURNER,
Farmers' Club Organizer.

BESSIE P. FRAZIER,
Assistant Training School

AMY JACKSON,
Assistant Training School

§On leave of absence.

*Part of year

RACHEL C. KELLY,
Cafeteria.

ELIZABETH H. MARTIN,
Book Room.

STUDENT ASSISTANTS.

SAMUEL JENKINS, Commandant

JACOB BALDWIN, Animal Husbandry

DEWEY CLEMENTS, Agriculture.

GEORGE WILLIAMS, Engineering.

KATHLEEN ROMER, Students Accourts

WHEELOCK A. BISSON, Laboratory Assistant.

DANIEL T. ROLF, Laboratory Assistant

SARAH E. PRYOR, Library Assistant.

FACULTY COMMITTEES**1920-1921**

(The President of the College is ex-officio member
of all committees)

1. PRUDENTIAL COMMITTEE:
Howard, Cropper, Hawkins, Thomas, Coleman,
Mebane, Hargrave, Matheus,—Secy.
2. REFECTORY:
Matheus, Davis, Hawkins, Hargrave, Perry.
3. GRADUATION:
Thomas, Howard, Miss Hawkins, Kennedy, Me-
bane, Hargrave.
4. CURRICULA AND CATALOG:
Thomas, Howard,, Miss Hawkins, Mebane, Pen-
darvis.
5. BULLETIN:
Howard, Thomas, Miss Hawkins, Mebane, Pen-
darvis.
6. LECTURES AND CONCERTS:
Howard, Lowe, Smith, Alexander, Scott.
7. MUSIC:
Baxter, Coleman, *Gilbert, *Forbes, Kennedy,
Edmondson.
8. VOCATIONAL GUIDANCE:
Jones, Johnson, Bruce, Paige.
- 9a. COLLEGE ARMS:
Jones, Brooks, Hawkins, Pendarvis, Bryant.
- 9b. LIBRARY:
Kennedy, Smith*, Gilbert, *Forbes, Lowe, Bruce.
10. ROUND TABLE:
Matheus, Gadsden, Kennedy, Bruce, Mrs. E. P.
Jones.
11. GENERAL RELIGIOUS ACTIVITIES:
Hawkins, Perry, Davis, Lumpkin, Bradley, Me-
bane.

12. STUDENT ACTIVITIES:

Executive Committee:

Hawkins, Chairman.

Jenkins, Secretary-Treasurer.

Rambeau, Kennedy, Alexander, Coleman, Broughton, Dent, Johnson.

13. Y. M. C. A.—Rambeau, Bruce, Perry.

Y. W. C. A.—Kennedy, Brooks, Bradley.

Athletics—

Men—Alexander, Johnson, Coleman

Women—Jenkins, Edmondson, Smith.

Dramatics—Coleman, Smith, Hardon, Moon, Jenkins.

Debates and Oratorical Contest—Hawkins, Kennedy, Jones, Smith, Matheus.

14. SOCIETIES:

Men—Broughton, Rambeau, Alexander.

Women—Dent, *Forbes, Bryant, *Gilbert.

15. COMMUNITY SERVICE:

Paige, Mrs. E. P. Jones, Black, Hargrave, Pendarvis.

16. PARENT-TEACHERS (Local):

Cropper, Coleman, Mrs. Jones, Perry, Pendarvis.

17. FARMERS INSTITUTES:

Mebane, Turner, Bruce, Miss Hawkins, Mrs. J. A. Davis.

18. RECEPTION:

Coleman, Mrs. J. A. Davis, Rambeau.

19. STUDENT SOCIALS:

Rambeau, Bryant, Kennedy, Edmondson, Dent.

20. STUDENTS ORGANIZATION:

Johnson, Alexander, Scott, Dent, Edmondson.

* Part of the year.

GENERAL INFORMATION

HISTORY, LOCATION AND SUPPORT

By constitutional provision and legislative enactment, the College was established in 1887 as a State Normal School. Under the principalship of Mr. T. deS. Tucker assisted by Mr. T. V. Gibbs, it was opened at Tallahassee, October 5, 1887, with an attendance of fifteen students. In 1891 the College moved to its present site. In 1905 it passed from the direct management of the State Board of Education to the management of the Board of Control as one of the institutions of higher learning. In 1909 its name was changed to that of The Florida Agricultural and Mechanical College for Negroes by the Legislature. It is supported mainly by State and Federal appropriation.

REGULATIONS

The regulations of the College are few and simple, appealing to the student's self-respect and personal responsibility.

Students are not allowed to loaf, to use intoxicating liquors or tobacco in any form, to gamble or to have or use firearms.

All punishment is by demerits as follows: five demerits make one warning, or mark; ten demerits two warnings or marks; fifteen demerits in any one session make a student liable to suspension. Suspended students may be reinstated by the Prudential Committee or the President.

All laundering must be done in the College laundry,

and students will not be allowed to have laundering done elsewhere except by special permission from the President. All clothing must be marked with INDELIBLE INK.

Students should provide themselves with the following articles:

GENERAL LIST.

3 Sheets	1 Quilt or Comfort
3 Pillow Cases	8 Table Napkins
4 Towels	1 White Spread
1 Blanket	1 Bible
1 Bottle of Indelible Ink	1 Dictionary

GIRLS' LIST.

	2 Pair High Shoes
1 Navy Blue Coat Suit	1 Pair Rubbers
2 Navy Blue Wash Dresses	1 Waterproof Coat
2 White Uniform Waists	1 Umbrella
2 Fancy Voile Waists	3 Navy Blue Waists
4 Gingham Petticoats	2 Laundry Bags
4 Changes Winter Underwear	2 Gingham Aprons

The young women are required to wear high shoes and suitable underclothing during the cold season. All shoes are to be sensible and comfortable.

Navy blue waists are to be worn on school days and white uniform waists Sundays and Mondays. The white uniform waists must be purchased from the College Store. For spring and fall blue ready-to-wear hats must be worn. No article of dress need be brought to school except those named in above list.

BOYS' LIST.

3 Night Shirts	1 Comb and Brush
4 Negligee Shirts	1 Shoe Polishing Outfit
6 White Standing Collars	6 White Napkins
4 Pairs White Cuffs	Underclothing sufficient
3 Clothes Bags	for three weeks
1 Pair Overalls	

MILITARY ORGANIZATION

The young men, except those in the College are organized into Cadet Companies in charge of a Commandant. Each company is commanded by a Cadet Captain and has its full complement of Cadet officers selected from those students who have been most exemplary in conduct and soldierly bearing.

The organization is maintained to help in the well rounded physical, mental and moral development of the boys. It is also intended to cultivate habits of neatness, punctuality, obedience, and to give an erect, healthy, manly bearing and a high regard for law and order.

In addition to Company and Battalion drill a course of military Calisthenics or Gymnastics is given in the open air.

A band composed of young men of all departments is organized in connection with the Battalion.

UNIFORMS

The young men's uniforms are made of blue flannel or blue serge and with the cap cost from \$19.00 to \$22.00.

These uniforms are made in the college shop and are sold at actual cost. The patrons are therefore urged not to buy citizen's suits for their children, but to send money to the President with which to buy the above uniform suits.

Satisfactory arrangements for the uniforms is one of the requirements for matriculation of young men. The regulation is—uniform suits, caps, *black* shoes and white gloves.

REMITTANCE

Parents and guardians are advised in making remittances for students, to send money by postal money order or express money order or registered letter direct to the President. He will not be responsible for money sent to students. All requests for students to come home or to be withdrawn must be made to the President.

LITERARY SOCIETIES

There are four literary societies: Acme - Forum, for High School men; Tucker Lyceum, for High School women; The College Wits Debating Club, for College men; and the Athenæum, for Normal School and College women. These societies meet fortnightly.

RELIGIOUS EXERCISES

Although the College is non-sectarian, yet it is Christian. In addition to the daily devotion, Sunday preaching, and Bible study courses, there is an active Young Men's Christian Association and Young Women's Christian Association.

ATHLETICS

Through the Athletic Association, the young men carry forward the usual athletic activities.

The young women, in addition to daily walking exercises, are engaged in basketball, croquet and lawn tennis. The policy of the College is to encourage athletic activities.

RHETORICAL EXERCISES

Part of the Chapel hour each Saturday is given to public rhetorical exercises.

An annual declamation contest is held in which one representative from each of the literary societies competes for prizes of ten dollars and five dollars offered by societies.

The oratorical faculty prizes are competed for by the students of the college department.

BOARD.....\$15.00 per month

LAUNDRY.....2.00 " "

Total 17.00 " "

RULES

17

BOARDING DEPARTMENT

The Boarding Department, equipped with both dry and steam cooking facilities, offers an up-to-date dining service.

EXPENSES

Tuition is free.

Board and room rent, including lights and fuel,
per month ~~\$13.00~~; 8 months..... ~~\$104.00~~

Laundering, etc., \$2.00 per month \$16.00

Hospital fee, 25cts. per day while sick in addition
to board.

Registration Fee..... 3.00

FACILITIES OF SELF-SUPPORT

A limited number of earnest young men and women will be allowed to work out a part of their board and laundry expenses. Application for this privilege must be made in writing and accepted before arrival. Money thus earned will be applied to the boarding account of the student.

RULES REGARDING DEFICIENT RECORDS

All records below 60 in any subject are deficient. A deficient record is a failure if below 50 and a condition if above 50.

All failures and conditions must be removed before a student can have advanced catalogue classification.

A failure or a condition in any subject will prevent graduation.

A failure is removable only by repeating the subject in class as soon as scheduled in program. This subject takes precedence over all other subjects.

A condition is removable by special examination which is given within two weeks after the beginning of each sem-

ster. A student will be allowed to take only one special examination to remove a condition. If a student fails in this examination, the condition becomes a failure removable only by repeating the subject in class as soon as scheduled in program. A fee of one dollar will be charged.

An industrial condition is removable by the students' performing such work as is designated by the instructor.

An extra special examination will be granted the first week in May to candidates for graduation for removal of conditions incurred during the Senior year.

A passing record in any subject becomes deficient by the withdrawal of a student and is ranked as a condition, provided the student takes special instruction in the subject under some one approved by the President; otherwise it is ranked as a failure. This special instruction must cover the work done by the student's class during his absence.

Four is the maximum number of academic subjects a student may take during any semester, including repeated subjects.

A student failing to enter school at the beginning of a semester loses his class standing which may be regained only by passing an extra written examination in the subjects covered by the class during his absence.

COURSES OF STUDY

GENERAL STATEMENTS.

The academic or literary activities of the College are carried on in two schools: the High School and the College. There is also a nucleus of a school of music. The vocational activities are carried forward in five schools: the School of Agriculture, of Mechanic Arts, of Home Economics, of Health and of Pedagogy.

ADMISSION.

For admission to the High School, applicants must be at least 15 years old, of sound health and a good reputation, and must furnish evidence of having satisfactorily completed the work of the seventh grade. For advance standing in the High School, applicants must furnish additional evidence either by examination or by credits from accredited schools, guaranteeing such standing.

For admission to the College sixteen units of preparatory work shall be offered. These units must include:

English	at least 3 units
Mathematics	at least 3 units
Foreign Languages	at least 2 units
History and Civics	at least 2 units
Science	at least 1 unit
Vocational Training	at least 1 unit
Additional to be chosen by the candidate	at least 4 units

Total	16 units
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DEFINITION OF A UNIT.

A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. The definition assumes that the length of the school year is from thirty-six to forty weeks and that a period is from forty to sixty minutes in length, and that the study is pursued for four or five periods per week. It further assumes that "two hours of manual training or laboratory is equivalent to one hour (or period) of class-room work."

For admission to the four year course in Pedagogy see requirements for admission to the College.

The requirements for admission to the vocational schools are the same as for admission to the college. Applicant must be fifteen years of age, of good health, and reputation and able to enter the eighth grade or first year of the Junior High School. Special requirements are found under the various departments.

Students who complete the third year of a standard High school, may enter the three year course in the School of Pedagogy upon presenting twelve standard units.

ADMISSION WITH ADVANCED STANDING

A student entering from any other college will be admitted with such advanced credit as his previous work entitles him. If he comes from a college, whose entrance requirements and curriculum are equivalent to those of the Florida A. and M. College, he will receive credit for his past work but will be obliged to take all the required subjects in the course in which he wishes to enroll that have not been covered in his previous work, are deemed necessary by those in charge.

All advanced credits allowed must be considered provisional, as the college reserves the right of revising and altering them whenever the work of the student indicates the necessity of such a change.

REQUIREMENTS FOR GRADUATION IN TERMS OF UNITS OR SCHOOL HOURS

The College unit is the Standard unit of American Colleges and represents One Recitation Per Week For One Semester. 120 units is the minimum amount of work required for graduation, of which at least 18 must represent major work. The American Standard unit is based upon not more than 18 recitations per week for teacher or pupil.

For graduation from the three-year course in the School of Pedagogy sixty units above the high school are required.

For graduation from the College course one hundred and twenty units of work are required, of which at least 24 must be major work.

Requirements for graduation from the high school sixteen units of secondary work shall be offered.

SPECIAL STUDENTS

The college urges very strongly that each student enter a regular course and take the work as outlined for that course, even though he can stay but for a limited time. Students are given special classification only when the age and preparation of the applicant seem to render such action necessary and expedient.

Applicants for admission to the freshman class without condition must present sixteen units. Applicants who present fourteen units may be admitted conditioned in two units. One unit of such deficiency must be made up before the beginning of the Sophomore year. All entrance conditions must be removed by the beginning of the Junior year.

Single half units will be accepted only in the Sciences and Civics. Less than two units of foreign language will not be accepted in fulfillment of entrance requirements.

Standard collegiate credits from other institutions of higher learning are accepted so far as these credits apply on the curriculum to which the student is admitted.

MAJOR WORK.

1. Every student for the degree of Bachelor of Science must elect and file with the Dean of the Academic Department, before February of the Sophomore year, a major department in which he wishes to do major work.

2. Each department prints the plans of its major work, but these plans may be changed by the department to suit individual cases. A Major consists of not less than 18 units or not more than 36 units, as indicated by the departments. This work may all be done in one department, or part of it may be in allied subjects in other departments, provided that at least 18 units of the major work are taken in some one department.

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OUTLINE OF COURSES HIGH SCHOOL

FIRST YEAR B

First Semester

Reading, alternating with	
History	5
Geography	5
Physiology, alternating with	
Agriculture	5
Arithmetic	5
Grammar	5
Singing	1
Vocational Training	6

Second Semester

Reading, alternating with	
Spelling	5
Geography	5
Physiology, alternating with	
Agriculture	5
Arithmetic	5
Grammar	5
Singing	1
Vocational Training.....	6

FIRST YEAR

First Semester

Required—	
English I.....	5
Algebra I.....	5
Singing	1
Vocational Training.....	6
Select two—	
Latin I.....	5
Physical Geography.....	5
Ancient History.....	5
Drawing	5

Second Semester

Required—	
English I.....	5
Algebra I.....	5
Singing	1
Vocational Training.....	6
Select two—	
Latin I.....	5
Ancient History.....	5
General Science.....	5
Drawing	5

SECOND YEAR

First Semester

Required—	
English II.....	5
Algebra II.....	5
Singing	1
Vocational Training.....	6
Select two—	
Latin II.....	5
English History.....	5
Drawing	5

Second Semester

Required—	
English II.....	5
Algebra II.....	5
Singing	1
Vocational Training.....	6
Select two—	
Latin II.....	5
English History.....	5
Drawing	5

THIRD YEAR

First Semester

Required—	
English III.....	5
Geometry, Plane.....	5
Vocational Training.....	6
Singing	1
Select two—	

Second Semester

Required—	
English III.....	5
Geometry, Plane.....	5
Vocational Training.....	6
Singing	1
Select two—	

Zoology	5	Latin III.....	5
Latin III.....	5	Spanish I.....	5
Spanish I.....	5	Drawing	5
Drawing	5	Zoology	5

COURSE A—SCIENCE

First Semester		Second Semester	
Required—		Required—	
English IV.....	5	English IV.....	5
American History and Civics.....	5	American History and Civics.....	5
Vocational Training.....	6	Vocational Training.....	6
Singing	1	Singing	1
Select two—		Select two—	
Latin IV.....	5	Latin IV.....	5
Physics I.....	5	Physics I.....	5
Spanish II.....	5	Spanish II.....	5
Chemistry	5	Chemistry	5
Solid Geometry.....	5		

N. B.—Two years of a foreign language required for graduation.
The figures indicate the number of 50-minute periods a week.

SCHOOL OF PEDAGOGY

JUNIOR

First Semester		Second Semester	
English IV.....	5	English IV.....	5
American History and Civics.....	5	American History and Civics.....	5
Vocational Training.....	6	Education I.....	5
Select two—		Select two—	
Physics I.....	5	Physics I.....	5
Chemistry	5	Chemistry	5
Spanish II.....	5	Spanish II.....	5
Latin IV.....	5	Latin IV.....	5
Solid Geometry.....	5	Vocational Training.....	6
Economics I			

MIDDLE

Education II	3	Education II	3
Chemistry I	5	Chemistry I	5
French I	5	French I	5
Geog. Review.....	5	Economics I	5

SENIOR

Education III	5	Education IV	5
French II	5	Ethics I	5
Agricultural Pedagogy ...	5	French II	3
Freehand Drawing.....	2	Education XIII.....	2
Manual Training.....	3	Manual Training.....	5

The Junior year is of High School rank, while the
Middle and Senior years are of College rank.

TWO YEAR COURSE

(TRADES)

FIRST YEAR

First Semester		Second Semester	
Arithmetic (Req.)	5	Arithmetic (Req.)	5
English or Civics	5	English	5
Drawing and Plan Reading	5	Drawing (Req.)	5
Manual Training (Wood)	2	Manual Tr. (Metal)	
Shop Work (Req.)		Hygiene (Req.)	2

SECOND YEAR

First Semester		Second Semester	
History of English (Req.)	5	Geography (Req.)	5
Algebra (Req.)	5	Algebra	5
Drawing (Req.)	5	Estimates	2
Shop Work (Practical)		Shop Work (practical) (req)	

COMMERCIAL COURSE

First Year

Bookkeeping I	5
Penmanship	3
Commercial Arithmetic	5
English	5
Typewriting	3
One of the following electives:	
Spanish	5
Stenography	5
Drawing	5

Second Year

Bookkeeping II	5
English Composition	5
Typewriting	5
Spelling (Commercial)	5
Civics and History	5
One of the following electives:	
Stenography	5
Physics	5
Chemistry	5
Typewriting	5

Third Year

Business Organization and Office Training	5
Commercial Law	5
Two electives:	
Office Management	5
Insurance	5
Real Estate Business	5
Geometry	5

Fourth Year

Business Ethics	5
Salesmanship	5
Economics	5
Two electives:	
Electives	
Spanish	5
Banking and Accounting	5
English	5
Stenography	5
Practice Work in Office	5

SCHOOL OF AGRICULTURE

COURSE LEADING TO B. S. AGR.

FRESHMAN.

First Semester.		Second Semester.	
English	3	English	3
Chemistry	5	Chemistry	5
Mathematics, Trigonometry	5	Mathematics, Trigonometry	5
Modern Language	5	Modern Language	5
Elements of Agri.	3	Botany	3
Farm Shop-work	2	Dairy Husbandry	3

SOPHOMORE.

English	3	English	3
Chemistry	3	Entomology	2
Entomology	2	Animal Husbandry	5
Modern Language	5	Modern Language	5
Soils and Fertilizers	4	Chemistry	5
Farm Crops	4	Farm Machinery	2

JUNIOR.

Rural Economics	3	Horticulture	3
Bacteriology	3	Plant Pathology	3
Geology	3	Poultry Production	3
Chemistry	5	Methods of Teaching	3
Psychology	5	Chemistry	5
Animal Breeding	3	Agr. Physics	3
		Ethics	5
		Supervised Project.	

SENIOR.

Agri. Chemistry	3	Agri. Chemistry	3
Biology	5	Biology	5
Feeds and Feeding	3	Organization and Methods.	3
Vocational Education	3	Plant Breeding	3
Veterinary Science	3	Rural Sociology & Hygiene	5
Farm Management	5	Practice Teaching	5

Supervised Project Work.

VOCATIONAL AGRICULTURE

FIRST YEAR

First Semester

English (Review)	3
Botany	2 (1½)
Chemistry	5 (3)
History of Education	5 (3)
Physiology and Hygiene	2
Veterinary Science	1 (1)

Applied Mathematics.....	2 (1½)
Animal Husbandry I.....	2 (2)
Soils	2 (2)
Farm Mech. (Wood Shop).....	1 (½)

Second Semester

English (Literature and Composition).....	3 (2)
Agricultural Botany.....	2 (1½)
Agricultural Chemistry.....	5 (3)
Vocational Education.....	5 (3)
Farm Sanitation	1 (½)
Veterinary Science.....	1 (1)
American History and Civics.....	3
Animal Husbandry II.....	2 (2)
General Horticulture	2 (2)
Farm Mech. (Forge Shop).....	1 (½)

SECOND YEAR

First Semester

Argumentation	2 (1½)
Entomology	3 (2½)
Physics	5 (3)
Educational Psychology	5 (3)
General Economics.....	5 (3)
Field Crops I.....	2 (2)
Farm Engineering and Machinery.....	2 (2)
Practice Teaching.....	1 (1)

Second Semester

Public Speaking	2 (1½)
Plant Pathology and Bacteriology.....	3 (2½)
Farm Management and Accounts.....	3 (2½)
Rural Economics and Sociology.....	5 (3)
Agricultural Pedagogy	3 (2½)
Field Crops II.....	2 (2)
Farm Dairying.....	1 (1)
Farm Poultry	1 (1)
Practice Teaching.....	1 (1)

At least two years of actual **Farm Life and Practice** will be required before graduation.

Candidates for this course must be graduates from a four-year high school course.

SCHOOL OF HEALTH
COURSE OF STUDY

FIRST YEAR

Anatomy, Physiology and Hygiene
Nursing Ethics
Medical Nursing
Surgical Nursing
Dietetics
Materia Medica

SECOND YEAR

Materia Medica
Bacteriology
Pediatrics
Obstetrics
Gynaecology
Urinalysis

THIRD YEAR

Nervous Diseases
Massage
Eye, Ear, Nose and Throat

SCHOOL OF SCIENCE
COLLEGE COURSE LEADING TO B. S.

FRESHMAN

Required	11 hours	Optional	5 hours
English V	3	History IV	5
Mathematics	3	Chemistry	5
French	5	Latin	5

SOPHOMORE

Required	6 hours	Physics II	5
English VI	3	Biology II	5
French	3	History IV	5
Optional	10 hours	Chemistry	5
Mathematics	3		

JUNIOR

Required	6 hours	Physics II	5
English VII	3	Geology	5
Ethics or Psychology	3	Chemistry	5
Optional	10 hours	Calculus	5
Economics	5	Biology	5

SENIOR

Required	6 hours	Calculus	5
English VIII	3	Philosophy	5
History	3	Chemistry	5
Optional	10 hours	Biology	5
Sociology	5		

COURSE LEADING TO B. S. E.

FRESHMAN

First Semester

Second Semester

English V	5	English V	5
French I	5	French I	5
Education II	3	Education II	3
Chemistry I	5	Chemistry II	5

SOPHOMORE

English VI	3	English VI	3
French II	5	French II	5
Education III	5	Education V	5
Biology II	5	Biology II	5

JUNIOR

Sociology	3	Sociology	3
Education V	5	Education VI	5
Geology I	3	Geology I	5
History IV	3	History IV	3
Drawing	1	Drawing	1

SENIOR

Education VII.....	5	School Laws of the South	2
	5	Practice Teaching	3
S hool Lawsof the South..	3	Music II	1
P actice Teaching.....	1	Ethics.....	3
Review in Psychology.....	5	The Art of Story Telling....	3

SCHOOL OF HOME ECONOMICS

COURSE LEADING TO B. S.

Prerequisite—Same as for College entrance.

FRESHMAN

First Semester

Chemistry I	5
English V	3
Botany.....	5
French I.....	5
Home Economics.....	2

Second Semester

Chemistry I	5
English V	3
French I.....	5
Physiology.....	5
Home Economics.....	2

SOPHOMORE

Chemistry II	5
Home Economics.....	5
French II	5
English VI	3

Chemistry II	5
Home Economics.....	5
English VI	3
French II	5

JUNIOR

Chemistry III	5
Physics II	5
Psychology	5
Home Economics.....	6

Chemistry III	5
Physics II	5
Methods.....	3
Home Economics.....	6

SENIOR

Ethics	5
P actice Teaching.....	5
S ciology.....	3
Dietetics.....	5

Household Chemistry	5
Household Administration....	5
Sociology.....	3
Practice Teaching.....	5

COURSE LEADING TO DIPLOMA

TEACHER TRAINING COURSE

Prerequisite—Junior Normal offered in the Fourth Year of the High School.

MIDDLE

First Semester

English V	3
Cookery	4
Sewing	4
Household Administration	5
Physiology and Hygiene.....	3
Physical Training	2
Chemistry	5
Elective:	
Bacteriology	3
Drawing	2

Second Semester

English V	3
Chemistry	5
Cookery	4
Sewing	4
Methods	2
Rural Economics	4
Physical Training	2
Elective:	
Drawing	2

SENIOR

English VI	3	Cookery	4
Cookery	4	Sewing	4
Sewing	4	Dietetics	2
Household Chemistry	5	Ethics	5
Practice Teaching	2	Practice Teaching	2
Classroom Management	5	Physical Training	2
Physical Training	2	Elective:	
English VI	3	History of Education	5

SCHOOL OF MECHANIC ARTS

COURSE LEADING TO B. S.

FRESHMAN.

First Semester.		Second Semester.	
Trigonometry	5	Surveying	5
English VI	2	English VI	2
Chemistry I	5	Chemistry I	5
Elements of Arch	1	History of Arch.	2
Descriptive Geom.	3	Descriptive Geom.	2
Wood Work	2	Wood Work	2

SOPHOMORE.

Algebra II	5	English VIII	5
English VII	3	Architectural Drawing	3
History of Arch.	1	History of Arch.	3
Perspective	2	Wood Turning	2
Shades and Shadows	2	Freehand Drawing	2
Physics II	2	Physics II	3
Freehand Drawing	2		

JUNIOR.

Analytic Geom.	5	Analytic Geom.	5
French	3	Arch. Design	4
Economics	3	Rendering	3
Arch. Design	3	Ethics II	3
Graphic Statics	2	Water Color Draw'g	3
Building Cons.	2	Metal Work	2

SENIOR.

Arch. Design	5	Calculus	5
Heating and Vent.	2	Sanitary Eng.	2
Specifications and Est.	2	Building Cons.	2
Building Cons.	2	Illumination and Wireing..	2
Business Law	2	History of Art	1
Plumbing	3	*Thesis	7

*A thesis covering the work of each full school year will be required.

English VI, Chemistry I, English VII, Physics II, French Economics, Surveying, English VIII and Analytic Geometry are courses the same as in the College of Science.

In each semester one elective will be allowed. This is to be taken with at least three assigned subjects.

SCHOOL OF MUSIC

FIRST GRADE

TECHNICS: Major scales in one octave, hands separate. Tonic triads in close position.

STUDIES: Landon's *Foundation Studies*; Matthew's *Graded Studies, Book I*; *National Graded Studies*; Emery's *Foundation Studies*; Kœhler, *op. 162* and *190*; easy compositions of Behr, Gurlitt, Brumeur, Lichner, etc.

SECOND GRADE

TECHNICS: Major and harmonic minor scales in one and two octaves, hands separate. Broken major and minor triads.

STUDIES: Matthew's *Graded Studies, Book II*.

Spindler, *op. 273, Books I and II*; Loeschorn, *op. 66, Books I and II*; Gurlitt, *op. 82, Books I and II*; Spindler, *op. 44*; selection from Merkel, Lange, Schumann, Clementi, Lachner, Ritter and others.

THIRD GRADE

TECHNICS: Major and melodic minor scales. Studies in broken triads (continued).

STUDIES: Matthew's *Graded Studies, Book III*

Burgmuller, *op. 100, Books I and II*, Kœhler, *op. 157*.

PIECES: Selection from Kullah, *op. 62*; Gade, *op. 36*; Mozart, *No. I, Low*; Lachner, *op. 49*; Emery, Spindler, and others.

FOURTH GRADE

TECHNICS Major and minor scales.

STUDIES: Matthew's *Studies, Book IV*; Kœhler, *op. 130*, Heller, *op. 47*; Czerney, *op. 636* and *713*.

PIECES: Wilm, *op. 12*; Schytte, *op. 69*; Bohm, *op. 327*,

No. 2; Selections from Haydn, Kerchner, Wollenhaupt, Heller, Scharwenka, Schumann, and Lack.

FIFTH GRADE

TECHNICS: Major and minor scales in contrary motion. Three and four octaves in 3rd, 6th, 18th.

STUDIES: Heller, *op. 46*; Cznerney, *op. 7 8*; Bach, *Twelve Little Preludes*. Kullak School of Octave Playing. *Matthew's Studies, Book V*.

PIECES: Mendelssohn's *Song Without Words*, Chami-made, Gard, Nevin, Schytte, Jensen.

VOCAL MUSIC

The course of Public School music including, Sight Singing, Ear Training, and Chorus Work is open to all High School students for which credit is given.

The first, second, third and four year classes are required to take the course one hour each week.

All students (High School and College) are admitted to the Musical Union.

Description of Courses

Chemistry

Chemistry I. (For Junior Normal Students and Freshmen.) This is a one-year course. Its design is to give the student a knowledge of the fundamental principles underlying inorganic chemistry, and an acquaintance with the more common elements, their compounds and industrial application. (Three units of recitation and two units of laboratory work).

Text Books—McPherson & Henderson's *Elementary Chemistry*; *Laboratory Manual* accompanying the above.

Chemistry II. For Sophomores: This course covers a period of one year. The first Semester is devoted to a preliminary study of the reactions of metals and acids in solution, and systematic work in blow-pipe analysis. The second Semester is devoted to a systematic study of metals and non-metals, metallic groups and their separation. The work includes the practical analysis of several important commercial products. (5 Units).

Text Books—McGregary's *Qualitative Analysis*; Allyn's *Applied Chemistry*.

Chemistry III. (For College Juniors). Only students who have completed Courses I. and II. or their equivalents are permitted to pursue this course. The work is intended to give the student the fundamental principles of Quantitative Analysis, gravimetric and volumetric and a working knowledge of the methods used in Analytical Chemistry. (Five Units). The work is conducted by lectures.

Experiments references,

REFERENCE BOOKS — Olsen's *Quantitative Analysis*; Olsen's *Pure Foods*.

Chemistry IV. (For College Seniors). This course covers a period of one year. It is intended to give the student the fundamental principles underlying organic compounds and laboratory practice in the analysis of a few of the simple compounds. (Elective) Five units.

Text—To be selected.

Biology I. (Zoology). A choice is offered between Zoology and Botany in the fourth year of the High School. This course covers a period of one year and has for its purpose the development of fundamental principles underlying animal life. The work is pursued as follows: Study (1) Invertebrates. (2) Vertebrates. (3) Economic importance.

The type form of the more important animals is studied systematically. Careful dissections and drawings are made. Class and laboratory work is supplemented with collateral reading on the types studied and their economic importance. Five hours a week.

Text Book—Lindville and Kelly's *Elementary Zoology*; Lindville and Kelly's *Laboratory Guide*.

Biology II. (For College Seniors). This course covers a period of one-half year, and is intended to give the student the fundamental principles in the structure of animals and their comparison with plants. Five units.

Text Book—Conn's *Practical Biology*.

Biology III. This course covers one half year and is intended to give the student the general methods and special technique used in Histology. The laboratory work consists of the preparation and completion of slides of the principal tissues of a lower vertebrate form and the study with the microscope and drawings of the same. The laboratory work is supplemented by conferences and reference work.

Text Book—Guyer's *Animal Micrology*.

Physics I. Open to all students of the fourth year High School class. This course is designed to give the student a thorough knowledge of simpler physical phenomena and includes a study of the fundamental laws of the mechanics of solids and fluids, heat, sound, light, magnetism and electricity.

Laboratory experiments performed by the student himself accompany this course and supplement the demonstrations given by the instructor. Special stress is placed upon mechanics and the solution of mathematical problems involving the laws of the several departments of the subject. Textbook: *First principles of Physics*, Carhart and Chute. Laboratory Guide, Carhart and Chute.

Physics II. This course will consist of a deeper study of mechanics, thermodynamics and electricity than can be given in Course I., and will be conducted by means of lectures, laboratory and textbook work.

Textbook:—Carhart's *College Physics*.

(Required of all College Juniors.)

Astronomy. This course concerns itself primarily with the mathematical calculations necessary to a clear understanding of the solar system, accompanied by telescopic observations and a study of the principal constellations of the sidereal system.

Textbook:—Todd's *New Astronomy*.

(Required of all College Juniors.)

Geology. The materials of the earth, its structure, processes at work on its surface and the history of its plant and animal inhabitants. Supplemented by the study of the geology of the vicinity of Tallahassee, and three surveys: one of the phosphate mines near Live Oak, one of Lake Jackson and its environs, one of the gulf regions near St. Marks. One year. General Science Seniors and Sophomore Agriculture.

Text:—*Elements of Geology*, Blackwelder and Burrows.

MATHEMATICS

Algebra I. (First year High School). This course is given throughout the year. It covers the following topics: Addition, Subtraction, Multiplication, Division, Factoring, Fractions, Ratio and Proportion, and Simultaneous Equations of the First Degree. Five hours credit. Text:—Wells and Hart's New High School Algebra.

Algebra II. (Second year High School). This course is given throughout the year. It covers the following topics: Graphic Representation, Square Roots and Radicals, Quadratic Equations, Systems of Quadratics, The Binomial Formula, Variables and Functions, Arithmetical and Geometrical Progressions, Permutations, Combinations, and the Factor Theorem. Five hours credit. Text:—Wells and Hart's New High School Algebra.

Geometry I. Plane Geometry. (Third year High School). This course gives considerable attention to original problems and to the application of the principles of plane geometry in mensuration. The following points are always held in view; the process of reasoning, the separation of numerical relation, the development of individual power. Five hours during first semester. Text: Wentworth-Smith Plane and Solid Geometry.

Geometry II. Solid Geometry. (Third year High School). The purpose of this course is to bring vividly before the students the meaning of planes, lines and angles in space and to stress the practical through the study of prisms, pyramids, cylinders, cones by an exhaustive application of the rules governing the mensuration of the same. Text: Wentworth-Smith Plane and Solid Geometry.

Trigonometry. (Required of all Freshmen). This is a course in Plane and Spherical Trigonometry and surveying. It embraces a study of right and oblique plane

and spherical triangles and the theory of the construction and use of tables of natural values of trigonometric functions. Credit, five hours. Text Book:—Trigonometry (Complete tables), Kenyon and Ingold.

Text in Surveying. To be selected.

Analytic Geometry and College Algebra. (Required of all Sophomores). This course embraces a study of the straight line, circle, and conic sections. Credit, five hours. Text Book:—Analytic Geometry and Principles of Algebra.—Zuet and Hopkins.

ENGLISH

ENGLISH I. This course, prescribed for first year High School pupils, consists of the following:

(a) Grammar—A review of declensions, conjugations, sentence analysis, and other special topics; (b) Composition—Letterwriting, oral and written themes, paragraphing, unity, simile figures, punctuation, and capitalization; (c) Literature—The study of from four to six of the following classics:

Sohrab and Rustum.

Vision of Sir Launfall.

Deserted Village.

Lady of the Lake.

Treasure Island.

A Tale of Two Cities.

As You Like It.

Merchant of Venice.

The Odyssey.

The Last of the Mohicans.

Text: Brooks' English Composition, Book I.

ENGLISH II. This course, prescribed for Second Years, consists of the following:

(a) Grammar—Reviews, as found necessary; (b) Composition—A continuation of the first year's work with emphasis on narration and description, synonyms, antonyms, and coherence as applied to sentence and paragraphs; (c) Literature—Study of Julius Caesar, Idyls of the Kings, House of Seven Gables, Silas Mar-

ner, The Ancient Mariner, Evangeline and Old Testament Narratives.

Tetx: Brooks' English Composition, Book I.

ENGLISH III. This course, prescribed for Third Years, consists of the following:

(a) Grammar—A review of special topics; (b) Composition—Exposition, paragraph development, sentence structure, the composition as a whole, unity, coherence, emphasis, scansion and elementary argumentation; (c) Literature—Study of text book on the History of American Literature, together with Washington's Farewell Address, Webster's Bunker Hill Oration, Franklin's Autobiography, Wilson's Addresses and State Papers, and Selected American Poems.

Texts: Brooks' English Composition, Book II.

METCALF AND HANADY'S READINGS IN AMERICAN LITERATURE

ENGLISH IV. This course, prescribed for Fourth Years, consists of the following:

(a) Grammar—A systematic review of fundamentals; (b) Composition—Expository and argumentative themes, brief drawing and forensics; (c) Literature—Study of text book on the History of English Literature, together with Macbeth, L'Allegro, Il Penseroso, Lycidas, Comus, Burke's Speech of Conciliation, Essays from Macaulay and Carlyle, and selected English Poems.

Text: Brooks' English Composition, Book II.

METCALF'S ENGLISH LITERATURE

ENGLISH Va. This is a course in composition and is required of Freshmen. In addition to an intensive study of and frequent practice in the various types of writing, the course will deal with word study, sentence structure and analysis, and paragraph development. The short story will receive special emphasis.

Five hours throughout the year.

Text: Young's Freshman English.

ENGLISH Vb. Students who are unable to write with a fair degree of mechanical correctness are detained in a composition section, without credit, until they overcome this difficulty.

ENGLISH VI. Debating and Public Speaking.

This course is required of Sophomores. The first part consists of a text-book study of the principles of Argumentation, together with the drawing of briefs and the writing of forensics upon assigned propositions. The second part consists of a study of the principles of public speaking, followed by the writing and delivering of speeches of various types. Three hours.

Text: Baker and Huntington's *Principles of Argumentation*.

Text in Public Speaking to be selected.

ENGLISH VII. English Literature.

This course will cover the history and development of English Literature from its earliest times to the present. It is essentially a course in the reading of the masterpieces of prose and poetry, and not a mere study of the literary history of England.

Open to Juniors and Seniors.

Text: To be selected.

ENGLISH VIII. Shakespeare and Elizabethan Drama. This course is designed for those who wish to make an intensive study of such of Shakespeare's plays as are usually taught in secondary schools. The history of the English drama will be traced, and the works of Shakespeare's contemporaries in the Drama will receive attention. Open to Juniors and Seniors.

Text: To be selected.

DEPARTMENT OF ANCIENT AND MODERN LANGUAGES

LATIN.

The aim of the Latin Division, aside from the mental training gained in translation and in the mastery of the essentials of the language, is centered in the development of a genuine appreciation for classic literature and in the building of a wider and more expressive English vocabulary. The courses are made practical by frequent lectures on Roman life and customs and the history of the period, illustrated by a set of 100 slides with a stereopticon.

Latin I. This course is a study of the principles of Latin grammar. In the reading lessons great importance is attached at first to the literal rendering into English, and then the students are required to employ the English idiom which most clearly expresses the thought of the Latin sentence. As far as possible in the first year, students are made to compare English and Latin words formed from the same root. Lectures are given throughout the year to supplement the regular work.

Textbook:—D'Ooge's *First Year Latin*.

(For Second Year High School)

Latin II. Caesar.

The reading of a minimum of three books is required.

Prose Composition is given once per week thruout the course.

Texts: Walke's "Caesar"

Baker and Ingles' "High School Course in Latin Composition."

Latin III. Cicero classes are required to read at least three orations, making a study of the history of the time of Cicero's life. Drill in prose composition is given each week. Lectures with the lantern are given during the course.

Textbooks: Johnson and Kingery's Cicero; Allen and Greenough's New Latin Grammar; Baker and Inglis' Latin Composition. (For Third Year High School)

Latin IIII. Virgil. Classes read at least three books, rendering into the best English possible. Considerable attention is given to scansion and mythological references are required to be explained throughout the course. Illustrated lectures are given.

Textbook: Knapp's Virgil.

(Fourth Year High School, Science Course)

Latin V. Cicero's *De Senectute* and *De Amicitia* a First half year. Drill in sight reading is given here and special attention to the discussion of Roman philosophy.

Textbook:—(a) F. G. Moore's *De Senectute* and (b) *To be selected*.

Latin VI. Odes and Epodes of Horace. Second half-year. In this course special study is made of the theory of Latin prosody.

Textbook:—Bennett's *Horace*.

These courses are elective in the Freshman Year.

SPANISH

Aim. This Course is planned to give the student a working Spanish vocabulary and such a knowledge of idioms, that he will be able to read, write and converse upon general topics. The direct method is used to create an interest in the language. This is supplemented later with grammar and composition work to combine the best features of these two modern language methods.

Spanish I. Introduction to the Spanish pronunciation, building a vocabulary foundation, use of verb forms in present and past tense. (One semester).

TEXTS—"Worman's First and Second Spanish Books."

Spanish II. The more difficult idioms will be studied. Composition will be given twice and reading and conversation three times per week. (One semester).

TEXTS—"Spanish Grammar," Fuentes & Francois.

"Spanish Reader," Supple.

Spanish III. Stress will be placed upon the rapid reading of standard Spanish plays. (One semester).

TEXTS—Probably "Zarageta" by Carrion.

"El Si de las Ninas" by Moratin.

"El Capitan Veneno" by Alarcon.

Spanish IV. The study of Cerevantes and his masterpiece. (One semester).

TEXTS—"Don Quijote"—Cerevantes—selections.

FRENCH

French I.

An introduction to the French language, including the mastery of essentials of pronunciation, orthography and idioms, by the direct method.

Text: Walter and Ballard's "Beginners' French."

Ballard's "A French Reader."

Ballard and Tilly's "Phonetic French Reader"

French II.

The rapid reading of standard classics with work in composition.

Text: To be selected.

HISTORY

History I. (First year High School). This is a course in Ancient History. It takes the student from the earliest historical period to the invasion of the Roman empire by the northern barbarians. The indebtedness of the present to the past is made clear.

Particular attention is given the ancient republics. The effect of the introduction of Christianity is especially noted. Short papers are required from time to time. Text-book:—West's Revised Ancient World..

History II. This course offers a comprehensive study of the history of England and its literature.

Especial attention is given to the development of institutions such as Parliament, the church, local organs

of justice, the borough, the King's prerogative, and also to the growth of English literature which reflects the social, political and religious condition of the country.

Written reports on both historical and literary subjects will be required from time to time. Text:—Andrew's *Short History of England*.

History III. (Fourth year High School). This course is a study of U. S. History and covers with civics a period of one year. Papers are required consisting mainly of biographies of the great men of the period studied.

The work for the semester covers the Colonial and Revolutionary periods, to the establishment of the republic.

In the second semester the period from the establishment of the republic to the present time is covered. Especial attention is given to territorial expansion and development. Five hours thruout the year.

Text—Stephenson's *American History*.

HISTORY IV: A comprehensive survey of the great germinal facts and forces of American institutions and the principles and motives that underlie and interpret the crises of our national life. Emphasis is placed upon documents and other authoritative sources and material.

History V. European History. Required of all Senior College Students during second semester. An introductory course in which the history of the nations of Europe during the medieval and modern periods will be dealt with in as broad and comprehensive manner as is consistent with thoroughness of knowledge and definiteness of outline.

Text Book:—Robinson's *History of Western Europe*.

GEOGRAPHY

Physical Geography. The work in physical geography covers one year. The aim is to give the pupils the facts which determine the basis of human life. Observation and study of the immediate environment is the first study, showing how natural conditions determine the resources and these in turn determine occupations of the people.

Text:—New Physical Geography—Dryer.

EDUCATION

Education I. Introductory course in Psychology required of all students who elect special work in Pedagogy, in the fourth year High School. The purpose of this course is to give the student insight into the principal psychological conceptions and methods. Five hours second semester.

Education II. (Required of all Junior Normals). This course aims to apply the laws of psychology, as learned in Education I, to the general methods of study and of teaching. Emphasis will be placed upon general principles and teaching. Credit, five hours first semester.

History: The course of study in the elementary school, aims and values of history teaching, the point of view in teaching history, and supplementary reading material for children.

Geography: The scope and purpose of Geography, point of view and method of presentation, relation of geography to other subjects in curriculum, and equipment for geography teaching.

Arithmetic: Arrangement of the material, use of mental and oral arithmetic, and certain great principles in teaching arithmetic.

Five credit hours second semester.

Required in Junior Normal year

Education I II. School Management. The purpose of this course is to furnish the prospective elementary grade teacher with a fairly complete compendium of precepts for actual school management and to interpret such precepts in the light of accepted principles of teaching. Such subjects as the daily program, regularity of attendance, school hygiene, order and discipline. The technique of class-instruction, grading and examination. The teacher's relation to patrons, school equipment and environment will receive consideration. Five hours. First semester.

Education IV. History of Education. The study of the leading educational reformers will be emphasized in this course. The relation of these men to educational movements will, to be sure, receive ample consideration; but a thorough study of a few men, rather than an attempt to cover the whole field of the history of education, will be the aim. Each student will select, early in the course, some one educational reformer for special study.

Five credit hours Second semester.

Education V. Science of Education. This course will attempt to give the students scientific grounds for the art of teaching as determined by psychology, to show that the science of education is founded in all the science of man, and to show the relation between the educational and national ideals. The place of the emotions. The will and the religious aim of all education, will hold an important part in the discussion. Five hours

Education VI. Advanced Educational Psychology. This study is a continuation of Education II and studies the nature and needs of the adolescent. Five hours. First semester.

Education VII Systems and Problems of Secondary Education. This course will involve investigation and discussion of the chief problems in secondary schools in America today. Some time will be given to the study of the secondary school systems of Germany and France. Five hours First semester.

Education VIII Organization and Administration. A study of maintenance, administration, direction and supervision of schools. Five hours. Second semester.

Education IX. Rural School Problem. This course will deal with the rural school problem in all of its phases. Five hours. First semester.

Music I. Notation and sight-singing. The work of this course is required of all students for B. S. degree. It aims to prepare students to teach vocal music in public

schools. It includes a study of clefs, scales, signature, and rhythm, singing of rote songs. Students will be encouraged to play a musical instrument and sing in the choir or musical union of the college. Two hours. First semester.

School Laws of the South. This course will offer a study of some of the school laws of the South. Emphasis will be placed on the school laws of Florida.

Education XIII The Art of Story Telling. This course will attempt to give the student the best methods of telling stories to children of primary and elementary grades. Required of Senior Normals.

SOCIOLOGY.

Principles of Sociology.—This course aims at a systematic study of the underlying principles of social science. The general plan followed is to begin with personal relations in their simplest and most direct form, proceeding thence to the more complex forms of association. Historical references are freely used, but the main purpose is a rational interpretation of existing society. Five hours—Second semester.

HISTORY OF PHILOSOPHY

An introductory to philosophy through the study of its history. The problems of philosophy are studied in their origin. The aim is to familiarize the student with the fundamental problems and categories of philosophy, and to prepare him to face present-day problems in the light of the history of philanthropic thought.

Text-book: Russell's First Course.
Five hours—First semester.

PSYCHOLOGY

Psychology II. In this course a more critical study of consciousness is based upon Angell's *Psychology*. This course is open to Juniors. Credit, five hours.

ETHICS

Ethics I. This course is a practical discussion of rights and duties as brought out in personal relations with the view to giving the student correct ethical concepts as rules of conduct. Required in Senior Normal year. Credit, five hours during Second Semester.

Textbook:—Gulick's *Mind and Work and Efficient Life*.

Ethics II. In this course there is a more detailed discussion of ethical theories as set forth in Durant Drake's *Problems in Conduct*. Junior College, Second Semester. Credit, five hours.

ECONOMICS

Economics I. This course opens an elementary discussion of man's effort at making a living, based upon Carver's *Rural Economics*.

Junior Normal, Second Semester. Credit, five hours.

Economics II. This is a more advanced course in the study of economic theory with stress upon the distribution of wealth.

Textbook:—Ely's *Outlines of Economics*.

Credit, five hours.

CIVICS

This course is offered in connection with United States History in the fourth year of the High School. It has as its purpose training in good and intelligent citizenship. It not only embraces a study of the forms of government known to us, but also a review of the leading facts in the history of this government.

Text:—Dunn's *Community*.

Mechanic Arts Courses

GENERAL STATEMENT

Through the School of Mechanic Arts the aim is to set fourth courses that will give such practical and theoretical knowledge as will serve as a proper basis upon which more advanced work along the lines of the various courses offered may be placed.

The School of Mechanic Arts provides an opportunity for its students to acquire a sensible outlook upon the active affairs of life and thus equips them to take up in a serious way the problems which will be theirs after completing any one of its courses. Whatever instruction is given is intended to enhance the students' value as a contributor to the service of the state.

Students of the High School are assigned to classes in the School of Mechanic Arts. A reasonable choice is given them, but the Dean of the School uses his discretion in making the assignments. Special courses are open to all who can pass the requirements as set fourth in the admission statements.

REQUIREMENTS FOR ADMISSION TO COURSE LEADING TO DEGREE

1. Every student who desires to enter upon this course must be:

- (a) A graduate (or its equivalent) from an accredited High School.
- (b) Must have completed one of the trade courses offered by the College.
- (c) Must major in the work of the School of Mechanic Arts.
- (d) Must be fifteen years old and of good health and character.

72 units are required for graduation.

REQUIREMENTS FOR ADMISSION TO TRADE COURSES

Any student matriculating in the High School of the College is eligible for assignment to one of the courses offered. The admission requirements are the same as those for admission to the High School.

REQUIREMENTS FOR ADMISSION TO COMMERCIAL COURSE.

For admission to this course, applicants must have completed the work of the second year of an accredited high school. For advanced classification the student must meet such requirements as will guarantee such standing as he seeks. This might be done either through credentials or examinations.

REQUIREMENTS FOR ADMISSION TO THE AUTO MECHANIC COURSE.

Applicants should be at least fourteen years of age, physically and mentally able to do the work required. While neither an absolute nor uniform standard as to educational qualifications are fixed, pupils failing to make normal progress in regular schools can be entered in this course only upon probation.

REQUIREMENTS FOR ADMISSION TO THE TEACHER TRAINING COURSE (SMITH-HUGHES)

Students entering this course must be of advanced scholarship standing. They must have spent two years in trade experience, either as a journeyman or in trade preparation in an accredited vocational school, and must take the course in the light of the vocation he desires to teach.

ADMISSION TO SHORT COURSE.

Any one desiring an intensive trade course may be admitted to this work without regard to regular scholarship standing; must be of sound health and have a desire to complete this course satisfactorily.

DEGREES, DIPLOMAS, CERTIFICATES.

(a) Upon completion of the College Course in the School of Mechanic Arts the student will have the degree of Bachelor of Science in Mechanic Arts (B.S.M.A.) conferred upon him.

(b) A certificate will be given upon the completion of the four year Trade Course, taken in connection with the four years work of the High School.

(c) A diploma will be awarded to those students who finish the four year Commercial Course.

(d) A certificate will be given upon the completion of the course in Auto Mechanics (Smith-Hughes).

(e) Certificates will be given upon the completion of the Teacher Training Course.

(f) Those finishing the two-year Short Course in a trade will be given certificate showing that same was satisfactorily done.

VOCATIONAL TRADE COURSES

Auto Mechanics
Typewriting and Stenography
Carpentry and Cabinet Work
Machine Shop Practice
Painting
Plumbing
Printing
Tailoring
Wheelwrighting
Electricity
Drawing

AUTO MECHANICS COURSE

GROUP I.—Engine Types and Parts:

- (a) Single and Multiple Cylinder Engines
- (b) Knight Slide Valve Motor
- (c) Types of Cylinder Construction
- (d) Valve Systems
- (e) Piston, Crankshaft and Crankcase Parts
- (f) Lubrication and Engine Cooling Systems

GROUP II.—Power Transmission:

- (a) Clutches—their forms and requirements
- (b) Change Speed Gearing
- (c) Types and Operations
- (d) Gas and Electric Systems
- (e) Methods of Transmission
- (f) Forms of Driving Gears.

GROUP III.—Fuels, Fuel Supply and Carburetion
Action:

- (a) Advantages and disadvantages of various Fuels
- (b) Methods of fuel supply
- (c) Proper tank location
- (d) Ignition
- (e) Purpose of Carburetor
- (f) Types of feed
- (g) Methods of operation.

GROUP IV.—The Chassis:

- (a) Types of frames and method of construction
- (b) Types of springs
- (c) Front axles and steering mechanism
- (d) Rear axles, nomenclature, description of various types
- (e) Differential, gear action, its purpose
- (f) Motor car brakes—their utility
- (g) Wheels, rims and tires, methods of repair

GROUP V.—Starting and lighting systems:

- (a) General talks upon modern systems, operation, care, repair
- (b) Single wire lighting
- (c) Two wire lighting
- (d) Combination switch wiring
- (e) Single unit starting, starting switches, motor

generators, directly connected and gear driven starting.

GROUP VI.—Ignition.

- (a) High tension magnetos
- (b) Low tension magnetos
- (c) Battery magnetos
- (d) Induction coils
- (e) Ignition switches

GROUP VII.—Generator:

- (a) Single unit
- (b) Magneto generation
- (c) Motor generation and ignition
- (d) Automobile cut-outs
- (e) Voltage and amperage regulation.

Related subjects taken in connection with the Auto Mechanics 3 year course.

FIRST YEAR

English	4
Mathematics (Arith.)	4
General Science	4
Drawing	3

SECOND YEAR

English	4
Mathematics (Algebra)	5
Physiology and Hygiene.....	3
Drawing	3

THIRD YEAR

Civics	3
Mathematics (Geom.)	5
Trade Science	4
Drawing	3

SPECIAL COURSES

A. Driving Course:

- (a) Instruction in care and operation of various types of cars
- (b) Traffic rules
- (c) Actual driving experiences
- (d) Maintenance hints of value; suggestions for oiling. Winter care of automobiles.

B. Storage Battery Course:

- (a) Care, repair, charging
- (b) Lead burning

It requires three full school years to complete the Auto Mechanics Course, and eight months to complete one of the special courses.

TEACHER TRAINING COURSE (Vocational
First Year

GROUP I:

1. Development of Vocational Education
 - (a) In Europe
 - (b) In the United States.
2. Teaching Principles:
 - (a) Learning
 - (b) Essentials of the Lesson
3. The Trained Teacher:
 - (a) Qualifications (personal)
 - (b) Trade knowledge
 - (c) Education
 - (d) Teaching ability

GROUP II:

1. Trade Analysis:
 - (a) By text
 - (b) By building a Trade Card Index
2. Teaching Processes:
 - (a) Aims
 - (b) Lesson steps
 - (c) Methods
 - (d) Lesson planning

GROUP III:

1. Organization of
 - (a) Training groups
 - (b) Training conditions
 - (c) Material
 - (d) Subject matter

SECOND YEAR

GROUP I:

1. Arranging Effective Instructional Order
2. Arranging Effective Instructional Conditions

GROUP II:

1. Practice Teaching
 - (a) Observation
 - (b) Records and reports

GROUP III:

1. Trade Science
2. Trade Drawing
3. Trade Mathematics.

DESCRIPTION OF DEGREE COURSE

PERSPECTIVE DRAWING

The study of perspective drawing is required in order that the student may secure for himself and also give to others a correct notion as to the appearance of the structure he designs.

SHADES AND SHADOWS

A working knowledge of shades and shadows is a prerequisite to the successful rendering of architectural composition and is acquired by the student through the solving of numerous problems ranging from the shadow cast by a straight line to the complicated shading of and shadows cast by the more elaborately ornamented architectural features.

ARCHITECTURAL DRAWING

The object of this course is to familiarize the student with good architectural detail. To that end he is required to draw and render the classical orders and other examples of good detail.

ARCHITECTURAL DESIGN

This work includes a study of the principles of design and a large amount of practice in their application to the solution of practical problems.

HISTORY OF ARCHITECTURE

In this course the student is made familiar with ancient, medieval, and modern styles of architecture, and the influence of the older upon the newer styles is studied by descriptions, diagrams and pictures of the best examples.

GRAPHIC STATICS

This subject embraces the method of determining stresses in framed structures, arches and beams by graphical means.

WOOD TURNING

This is a shop course complementing the course in carpentry, and is designed to teach the use of wood turning tools and assist in developing aesthetic feeling by constructing beautiful as well as useful forms in the working out of the problems given for solution.

ELEMENTS OF ARCHITECTURE

This course is designed to acquaint those pursuing the B. S. in Mechanic Arts with the first principles in architecture and thus prepare them to comprehend the more advanced orders.

CALCULUS

In this course an elementary study of differentiation and integration is made, involving applications to limits, the determination of areas, and maxima and minima.

HEATING AND VENTILATION

In this course the physical laws underlying the generation of heat, its propagation and the movement of air and renewing the atmosphere in public buildings and private dwellings, the design and installation of systems are taken up in a practical way.

SPECIFICATIONS AND ESTIMATES

This is a course which considers the writing of the several clauses of the specifications including the description of the methods to be pursued by the contractor in performing his work and the designating of the materials to be used.

BUSINESS LAW

This course of lectures is to acquaint the student with the laws governing contracts, real estate, negotiable paper and the methods of transacting business.

SANITARY ENGINEERING

This study covers the entire field of conservation of the health of occupants of buildings and their environs. It deals with the construction of plumbing fixtures, sizes of wastes, vent and supply pipes and fittings, the sources of the water supply, the disposal of sewage and the proper installation of systems.

PLUMBING

Running parallel with the course in sanitary engineering is a practical course in plumbing which aims to firmly implant in the mind of the student the principles governing the correct design and installation of plumbing fixtures.

ELECTRIC WIRING AND ILLUMINATION

Considered in this course are the proper intensity of lights, their distribution, the kind, size and location of wires and electrical accessories. Some practice is given in designing and wiring.

DESCRIPTION OF TRADE COURSES

CARPENTRY AND CABINET-MAKING

This course is intended to give the student some knowledge of the principles underlying house and shop carpentry and a moderate amount of practice in applying these principles to some of the representative problems with which the workers at this trade are most frequently meeting.

At the beginning of the study the problems set for the student are designed to be such as will, through an appeal to his school or home life interests, enlist his best efforts, so that by the end of the year he will have achieved suffi-

cient success in his work to encourage him to continue the work in this division.

The work just mentioned is also given to the first year wheelwrights.

The second year is given to the study of and practice in erecting simple frame buildings, beginning with framing and then taking up door and window frame construction, outside finishing, floor laying, inside finishing and stairbuilding.

Following this, in the third year, the time is devoted to cabinet making, the more simple pieces of house furniture being selected for this phase of the work.

The fourth year's work is a study of the first principles of the trades which, together with carpentry, are employed in the erection of buildings, and a brief consideration of the work of the architect in their design and the superintendence of their construction.

Arithmetic for Carpenters by Dale, *Shop Problems* by Burton, used as a supplementary text.

WHEELWRIGHTING

The first year's work in this industry is identical with that of the same period of the carpentry course.

During the succeeding years the students come into contact more specifically with wheelwrighting and the use of tools peculiar to the vehicle-making trade. This accomplished through the making of spokes and felloes and the subsequent building of wheels, seats, buggies and carriages of various descriptions.

All the vehicles used by the College are built conjointly by the young men of the wheelwrighting and blacksmithing divisions.

Text: *Farm Shop Work*. Brace and Mayne.

BLACKSMITHING

The course in blacksmithing is intended to cover the field of general blacksmithing operations and gives some instruction in the ironing of vehicles and shoeing of horses.

At the beginning of the course, study is made of fire-making and incidentally some attention is given to the characteristics of coals, the construction of forges and chimneys and the action of fans and bellows.

Thereafter the student is introduced to the more simple operations of drawing out, upsetting, bending, twisting, punching, cutting off, and welding as used in the shaping of staples, hooks, and collars and the making of chains.

The above-mentioned work occupies the time for the first year. During the second year, the young blacksmith co-operates with the wheelwright through the ironing of the wooded parts of wheelbarrows, push carts, wagons, buggies, surreys and phaetons.

Vehicle ironing is continued for a portion of the third year course, while the remainder of the year is devoted to the elements of horseshoeing.

Advanced horseshoeing and general repairing constitute the work of the fourth year.

Supplementary text: *Forge Practice*, Bacon.

PAINTING

The division of painting affords an excellent opportunity to those desiring to become acquainted with the more important phases of the painter's trade.

A study is made of the painter's brushes and other tools; the source and manufacture of pigments, oils, driers, varnishes, stains and the mixing of paints. Colors and laws of harmony and contrast are given consideration and practically applied in the painting of vehicles and the interiors and exteriors of buildings.

Glazing, including cutting, frosting, staining and embossing glass, and sign writing are also taught.

Texts: *House Painting*, Sabin; *Carriage and Automobile Painting*, Howard.

PRINTING

The college printery is equipped with two Chandler and Price Gordon job presses, a two-revolution Campbell cylinder press and enough printing materials to give the typographer quite satisfactory notions as to the operation of a first-class job office.

The course of study and practice includes, in the first year, the learning of the cases, simple composition, the names, care and use of the more common type faces and printer's materials. During the following year attention is given to the job work (in colors, fancy and plain), primary stock cutting and estimating. Imposition, job composition, estimating, and stock cutting are studied the third year.

The student in this division has the opportunity of doing quite a variety of work, since the College printing done during the eight month's session is the work of the young men of this division.

Text: *Progressive Exercises in Typography*—Loomis.

Supplementary text: *Printing For Shop and School*. Henry.

TAILORING

This division of the College's work is designed to give the students such knowledge of the tailor's trade as will enable them, with a little experience in a merchantile shop, to become competent journeymen.

Instruction is given in the making of pockets and other details before the construction of finished garments is undertaken. Trousers, vests, and coats are taken up in the order of their difficulty and a study made of shop economy in cutting. Cleaning and repairing are also given due attention, since this class of work constitutes a large part of that done in every tailor shop.

The John J. Mitchell Standard of Drafting is used.

MACHINE SHOP PRACTICE

The course in machinery is designed to give a practical and theoretical basis upon which to build along the following engineering work: machine installation and machine shop practice.

On the machines and the material in use the students get a liberal amount of practice in installation, operation and repair.

The course in machine shop work is laid out to cover work on bench and vise with hammer, cold chisel, files, wrenches, screw drivers, rules, scales, calipers and other hand and machine tools used in construction and repair. This leads beginners up to the more advanced on drill press, milling machine, power saw, lathe and grinder.

One hour each week is given to lectures on work in hand and the mechanical and physical principle underlying same.

Text: Machine Shop Practice—Kaup.

HOUSEHOLD ENGINEERING

ELECTRICAL REPAIR: The electric apparatus used for lighting and power purposes in connection with the College are kept in adjustment and repair largely by the aid of students of the machinery division, under the guidance of the instructor in machinery.

PLUMBING REPAIR: Many of the buildings of the College are fitted with sanitary fixtures and some with gas for water heating, cooking, etc. The pipe lines for water supply, the sanitary drains, as well as the steam boilers for heating those buildings so fitted, are kept in repair and operated largely with student labor under the instruction and guidance of the instructor in machinery.

The practical mechanics that may be learned thru this work will be a valuable supplement to the training received in machinery.

DESCRIPTION OF THE COMMERCIAL COURSE

BOOKKEEPING: The work in this subject is intended to give the student a knowledge of the ordinary methods of transacting business and making business records. The **20th Century** bookkeeping system is used and covers four sets as follows: Retail business, Partnership, Corporations and Cost Accounting.

The course is open to a limited number of young men and women, who may choose between the two or four year courses. Only those, however, who finish the four year course will be given a certificate or diploma.

TYPEWRITING: In typewriting, information about the care of machines will be given. The touch method is used and emphasis is placed upon correct fingering. Much attention is given to correct typewritten forms, and in the meantime, speed is developed. Text: Touch Typewriting—Smith.

STENOGRAPHY: This subject is conducted for all students in the course. It is based upon the **Gregg** system of shorthand, and it is so taught that the student is able to learn with ease and rapidity the fundamentals of a practical course.

AMERICAN LITERATURE: This course is the same as that taken in the High School English III.

SPANISH: This is a parallel course to Spanish I taken in third year High School. Its purpose is to build a vocabulary, teach word forms and pronunciation.

ETHICS: The students in Commercial Instruction will pursue this subject, Ethics I, with those students of the Senior Normal Class. The course is a practical discussion of rights and duties growing out of personal relationships.

COMMERCIAL GEOGRAPHY: This course is intended to make the student intelligent upon the following topics: (a) the country's resources; (b) the manufacturing interests, and (c) transportation.

Text: Frye's Commercial Geography.

PENMANSHIP: The Spencerian method is used as prescribed by Zauer and Bloser through the **Business Education Magazine**, student penmanship edition.

COMMERCIAL ARITHMETIC: This is a course in which the time is spent in becoming acquainted with Interest, Percentage, Stocks and Bonds, Discount and other subjects related to business computation.

Text: Milne Progressive Arithmetic.

ENGLISH GRAMMAR: This course is intended to lay a good grammar foundation for those pursuing the work in Commercial Instruction. Stress will be laid upon the proper use of the parts of speech and upon careful sentence building.

Text: Hyde's English Grammar—Book II.

SPELLING: This is meant to be a rigid course in spelling, in which a business vocabulary will be built up from words found in newspapers, magazines and commercial books.

Text: The Word Speller, Sorelle.

ENGLISH COMPOSITION: The student will be required to write compositions which will be criticised for spelling, sentence structure, proper use of words, phrases, clauses and punctuation.

Text: Freshman English, Young.

COMMERCIAL LAW: This subject treats of the practical laws of business and is taught so that every student in the course will have a working knowledge of the subject.

Commercial Law, Burgess.

SALESMANSHIP: This course treats of the scientific methods of making sales and of efficiency in general business transactions. It is intended to develop business initiative in those taking the course.

Text: Salesmanship, Knox.

OFFICE TRAINING; PRACTICE WORK; MANAGEMENT: This course is conducted in order to teach the duties of the stenographer and secretary. It is directed to the end that they may become efficient in this line of work. Letter writing, filing, managing, and use of time are emphasized.

Text: Ruperd Sorelle.

DRAWING: This is an elective course. It is intended to develop the ability of the student, through Freehand Drawing, to make ordinary sketches.

PHYSICS: This is a parallel course to Physics 1 in the School of Science.

CHEMISTRY: This course is identical with Chemistry I in the School of Science.

INSURANCE: This course is intended to make the students familiar with the practice employed in handling insurance papers and to teach them how to differentiate between the various kinds of insurance.

REAL ESTATE: In this course special attention is paid to deeds, mortgages, sales, transfers and handling of the papers that pertain to real estate matters.

GEOMETRY: This is a course in Plane Geometry covering at least the first three books of the subject. Course parallel to the same course in the High School.

ECONOMICS: This course is the same as Economics II in the School of Science and covers one semester's work.

BUSINESS ORGANIZATION: In this course it will be the purpose to bring the lessons offered in intimate relation to the business life of the community by covering such subjects as Proprietorship,

Working Capital, Borrowing, Wages, Purchasing, etc.

Text: Business Organization and Administration, Hass.

BANKING: In connection with the work in Commercial Instruction there is established a student bank in which those taking this course might learn the principles of banking. The purpose is to conduct the affairs of the bank upon rigid lines so that in this manner the work will be as real as in actual banking.

Text: Banking and Bank Accounting, Morton.

DESCRIPTION TEACHER-TRAINING COURSE

This course is so designed as to embrace the following teaching subjects: Training in the Plant, The Analysis of Trade Knowledge, Establishing an Effective Instructional Order, Methods of Instruction, Lesson Planning, Management, Organization and Use of Material in Instruction Training Classes.

Text: The Instructor, the Man and the Job, Allen.

DESCRIPTION AUTO-MECHANIC COURSE

The course in Motor Mechanics is organized in connection with the course in Machine Shop Practice and is designed to afford a practical outlet through which trained machinists may reach and fill the need for auto, truck and farm tractor machines. Practical and theoretical work is done on automobiles, trucks, tractors and gas engines for farm use.

DESCRIPTION OF SHORT COURSE IN MECHANIC ARTS

This course is established especially for those young men who wish to lay a foundation in the fundamentals of a trade, and for those who wish to spend a minimum of time at the academic branches of study and a maximum in the shops. It will be open to those men who have had limited school advantages and it has been so planned as to meet their requirements.

After a student completes this course he is fitted to pursue more advanced work in the College if he so desires.

DESCRIPTION OF MANUAL TRAINING COURSE

This is a course in elementary wood and metal work, occupying one year. The problems of construction in wood and metal are such as require the use of knife, plane, saw, hammer, chisel and the equipment of the blacksmith shop in their solution. The course is open to the students of the Training School and such others as are not assigned to the regular shop courses. It also offers a field for those in the Teacher Training course in which to do practice teaching.

Home Economics Courses

The work done in the Department of Home Economics is designed to give a girl high ideals and right standards, to stimulate her towards the development of the highest type of womanhood of which she is capable.

Every woman who expects to become the head of a household should prepare herself with the knowledge which will enable her to meet the many problems which confront every housewife. So also should the girl who intends to be a teacher of other girls be trained in the science of home making. The girl who can make excellent bread, and knows the comparative value of different kinds of food, who knows the good cuts of meat and how to prepare and make nutritious and appetizing the tougher and cheaper cuts, and the cost of each, who understands sanitation, and furnishing, and decoration of the house, and the making of her own hats and dresses, finds herself in a position to meet more readily and easily her daily problems.

Home Economics is required in the Sub-High, and First and Second Year High School. Those who wish to specialize may elect an extra year in Clothing or Food and Nutrition, either in the Third or Fourth Year of the High School.

Two courses are offered in the School of Home Economics above High School grade; the Smith-Hughes Teacher Training Course of two years, and a four year college course leading to B. S.

ADVANCED CLOTHING

The purpose of this course is to teach the art of dressmaking and the use of the Vienna Ladies Tailoring System by which patterns and designs are made, the designing of ordinary garments, the use of lines, color, proportion, adaptation of materials, to develop neatness, accuracy, self reliance, and high ideals in work. Commercial patterns are also used. Lectures

and class discussions are held on artistic and appropriate dress. Practice is given in variety by making dresses in the department for teachers and students.

TEXTILES

This course includes the history and development of textiles, the study of fibers to processes of manufacture and economic use of fabrics. A scientific study of the composition and physical properties.

COSTUME DESIGNS

This course includes a study of the history of costumes, proportion of the human figure and the application of the principal of designing to gowns and hats.

A brief study is given to pinned paper models.

ELEMENTARY FOODS AND NUTRITION

Work in elementary Foods and Nutrition consists of the cooking of simple dishes, and the planning and serving of simple meals.

ADVANCED FOODS AND NUTRITION

This course is a continuation of Elementary Foods and Nutrition and gives practice in several phases of cookery. The processes carried out are more elaborate than in the junior year. Self-reliance on the part of the student in the plan and execution of her work is encouraged. Planning and serving meals under home conditions, large quantity cooking and serving are included in this course.

HOUSEHOLD ADMINISTRATION

Household management gives chance to gather under one head the numerous lines of instruction necessary to administer a household. The aim of this course is to show the relation of science, art, economics to the practical needs of the home. Organization of the household, household decoration, marketing, budgeting, and laundering are taught in this course.

DIETETICS

It is the aim of this course to give the student some idea of the fuel value of foods, food requirements,

the construction of the dietaries, as well as the processes involved in dietary calculations.

PHYSIOLOGY

This course is intended for students specializing in Domestic Science. It covers a period of one Semester. The students are given work in the Digestion of Foods, as applied to Domestic Science, and the various functions of the different organs of the body. Laboratory experiments performed by the students are a part of this course.

HOUSEHOLD CHEMISTRY

This course covers a period of one year and is given after one year of General Chemistry. The purpose of this course is to give the students a knowledge of the composition and food values of food materials, adulterations in foods and simple methods for their detection, soap making and a study of the chemical processes involved in Laundering. Lectures and supplementary readings as well as Laboratory experiments form the course. This course is open to students specializing in Foods and Nutrition and to Senior Normal women.

ELEMENTARY CLOTHING

The aim of this course is to teach the cutting and making of simple garments. The use of commercial patterns and some drafting are taught.

MILLINERY

Designing, making, trimming and decorating fall and spring hats, with a view of developing originality and skill, are the aim and purpose of this course. Stress is placed upon the artistic side of the work by study of harmony, color and line. The practical side is also taught by emphasizing the economy in the utilization of old materials renovated.

This course is elective and may be taken by the Home Economics specials in connection with dress-making.

Nurse Training

STANDARD HOSPITAL

The Florida A. and M. College Hospital and Nurse Course is standardizing to meet the State requirements. Our capacity has been increased to twenty-five beds, the Nurse Course lengthened and made stronger by additional teachers and the number of nurses increased to meet the demands.

There are several vacancies to be filled for those who can meet the following requirements:

- 1st. High School graduates are given the preference.
- 2nd. Good health and good morals.
- 3rd. Adaptability to the work.
- 4th. Age limit, from 18 to 30 years.
- 5th. A three year course in training.

COLLEGE HELP

The school furnishes board, lodging and laundry to its nurse students. Applicants are required to serve three months on probation to test their fitness for the training. At the expiration of the probationary period the applicants may withdraw, or, the Institution reserves the right to accept or reject all probationers.

If accepted, the regular nurses uniform of the school is provided by the school and is worn at all times, with few exceptions, throughout the course of training.

REQUIREMENTS OF NURSES

While on probation, only wash dresses and aprons, which each probationer must furnish, are worn.

Nurses will need a change of comfortable common sense shoes, a pair of house slippers, a warm kimona, raincoat, rubbers and an umbrella, as the dining hall and dormitory are some distance from the Sanatorium.

Nurses are required to furnish their own text books. A registration fee of \$5.00 will be required and paid on entrance to the school.

Hours are allowed from duty for class recitation, recreation and half holiday on Sundays. Time lost on account of illness or other absence from duty must be made up before finishing. Two weeks vacation during the summer is also given.

Nurses who are candidates for diplomas must reside on the campus where they are housed in a nurse's home, and subject to rules governing such, and are responsible for the cleanliness of the home.

EMPLOYMENT

Our graduated nurses find ready employment, and are kept busy, some as institution nurses, private nurses and visiting nurses. The future graduates will be more efficient, because of the increased capacity and enlarged facilities for training. Graduates will be eligible for the title of Registered Nurse.

Plans are being made for the erection of an annex for contagious diseases and a modernly equipped nurse's home. It is expected these plans will materialize before 1922.

Agricultural Courses

Students who complete the regular High School agriculture will receive certificates, and the degree of Bachelor of Science in Agriculture will be conferred upon those who finish the College Department of Agriculture.

(1) A four year course leading to the degree of Bachelor of Science in Agriculture (B. S. A.) (2) Four year High School course in Agriculture leading to certificate. (3) Smith-Hughes Teacher Training Course leading to certificate. (4) One year practical course. (5) One week short course for farmers.

AGRONOMY

AGRONOMY 1.—Soils and Fertilizers. This course involves a study of the physical nature of soils and their adaptation to crops, together with proper methods of handling and maintaining good physical condition, to conserve moisture and prevent washing. Second Year High School. One year. Text: King On Soils.

AGRONOMY 2.—Soils and Fertilizers. This course deals with the origin, formation, texture, composition, and management of soils, to conserve moisture and liberate plant food. Means of maintaining the fertility of the soil, the use of barnyard manures. Green manures and commercial fertilizers are also considered. Sophomore, First Semester. Text: Fletcher On Soils.

AGRONOMY 3.—Farm Crops. The various grain, fiber, and sugar crops with respect to their habits of growth, soil, adaptation, fertilizer requirements, general methods of tillage and harvesting and the most profitable way of marketing them. Sophomore, First semester. Text: Wilson and Warburton, Field Crops.

AGRONOMY 4.—Advanced Course in Farm Management. The selection of a farm, the planning and

arrangement of farm buildings, etc. Various systems of farm records and accounts are studied to acquaint the student with the more practical methods. Seniors, First Semester. Text: Card's Farm Management.

AGRONOMY 5.—Farm Machinery. The physics of farm implements, improved machinery and power. Correct operation of all available farm machines. Farm roads, drainage, irrigation and sanitation will be thoroughly studied. Second semester. Sophomore. Text: Davidson's Agricultural Engineering.

HORTICULTURE

HORTICULTURE 1.—School Gardening. A specially designed course to train young women how to conduct small school gardens in connection with the State Public Schools. The class room work consists of general garden rules and nature study topics, as proved most interesting. Laboratory exercises will be given both in the class room and on the garden plots. Each young woman must plant and cultivate her own garden. One year. First year High School Girls.

HORTICULTURE 2.—Fruit Growing and Vegetable Gardening. The study of fruit culture generally, nursery practice, diseases and injurious insects treated. The culture of truck crops for local market, and the theory and practice underlying such work will be taken up in order. Second semester. Sophomore.

HORTICULTURE 3. Practical Landscape Gardening. Plant propagation, green house management, the improvement and planting of home and school grounds, etc. Care of lawns, walks, tree surgery, hedges and flower beds. Elective.

PLANT PRODUCTION

BOTANY 1. The aim of this course is to lay a foundation for the Economical and agricultural courses that follow, and to give the students a general elementary scientific knowledge of the growth and development of Plant life. One Year. Fourth Year

High School. Text: Coulter's Plant Life and Plant Uses.

BOTANY 2.—This subject takes up the structure, and development of seed plants, their form, classification and evolution. The economic phase of the subject is stressed. Freshmen, Second semester. Text: Bessey's Essentials of College Botany.

GENETICS

A study of Heredity and Environment and their applications to the breeding of plants and animals.

Prerequisites—Botany 2, or Biology 1. The greenhouse for propagation will constitute part of the laboratory equipment for this course. Seniors, Second semester.

PLANT PATHOLOGY

This course is designed primarily to connect the work of Horticulture, Agronomy, Botany and Bacteriology, all of which are prerequisites. Special attention will be given to local fungus diseases of plants. Juniors. Second semester. Text: Duggar's Fungus Diseases of Plants.

BACTERIOLOGY

Methods of artificial growing of bacteria. The study of their development in animals, plants, milk and water. Juniors. First semester. Text: Conn's Agricultural Bacteriology.

ECONOMIC ENTOMOLOGY. Discussion of the more important injurious and beneficial insects on crops. Methods of combating undesirable pests. Laboratory exercises in field and gardens. Second semester. Sophomore. Text: Weed's Friends and Farm Foes.

ANIMAL HUSBANDRY

ANIMAL HUSBANDRY 1.—Dairying. This course includes lectures on the various breeds of dairy cattle, milk and its composition, Babcock testing, separation and churning. Third year High School, first semester. Text: First Lessons in Dairying, Van Norman.

ANIMAL HUSBANDRY 2.—Types and breeds of farm animals, with some judging practice; principles of breeding, feeding and management of live stock. Third year High School, second semester. Text: Plumb's Animal Husbandry.

ANIMAL HUSBANDRY 3.—Elements of Dairying. This is a general course dealing with the secretion, composition and properties of milk. Laboratory practice is given in operating the Babcock test and lactometer, separation of milk, and butter making. Second semester. Freshmen. Text: Wing's Milk and Its Products.

ANIMAL HUSBANDRY 4.—Types and Breeds of Farm Animals. This course involves the study of the early history and development of pure bred domestic animals; also a sufficient study of herd books and pedigrees to acquaint students with the leading strains and families of the different breeds of horses, cattle, sheep and swine. Second semester. Sophomore. Text: Plumb's Types and Breeds of Farm Animals.

ANIMAL HUSBANDRY 5.—Animal Breeding. Lectures and recitations on the general principles of heredity, variation sex-limited inheritance and system of breeding and the influence of pedigree and herd-book standards. First semester. Juniors.

ANIMAL HUSBANDRY 6.—Poultry Production. Breeding and feeding the various breeds of poultry, sanitary house construction, and egg production will be discussed. Second semester. Juniors.

ANIMAL HUSBANDRY 7.—Feeds and Feeding. Practice is given in the feeding, care, and management of horses, cattle and swine. First semester. Seniors. Reference: Feeds and Feeding, Henry and Morrison.

ANIMAL HUSBANDRY 8.—Veterinary Science. This course is intended to teach the student the recognition of disease, the principles involved in the preservation of health, and the application of first aid in disease or accident of farm animals. Seniors.

First semester. Text: Craig's Common Diseases of Farm Animals.

AGRICULTURAL EDUCATION

The work in agricultural education is designed to meet the demand for men trained in agricultural and allied subjects, to teach in the high schools and colleges of the State.

In the arrangement of this course the needs of the agricultural teacher have been kept in mind. The practice teaching is arranged to give the students of the Agricultural Department experience in conducting class work, laboratory and field exercises.

AGRICULTURAL EDUCATION 1.—Methods of Teaching. The purpose of this course is the preparation of the student for the teaching of agricultural subjects through a knowledge of the educational aims, and of the principles applying to the choice of subject matter. This course involves a study of the recitation in part and the method of conducting class work, making laboratory exercises and the correlation of agriculture with other subjects. Juniors. Second semester. First semester. Seniors. Text: Vocational Agricultural Education by Home Projects. Stimson.

AGRICULTURAL EDUCATION— Organizations and Methods. A course in which the aims, the functions, the methods of organization, and the relation of rural and urban institutions are considered. Second semester. Seniors.

RURALECONOMICS. This course presents briefly the fundamental principles of economics as related to the farm. The aim of the course is to give a knowledge of the principles that should guide the farmer in his work. Instruction is imparted by lectures, assigned readings, and reports. Juniors. First semester.

RURAL SOCIOLOGY. A study of the rural conditions and betterment. The relation of the society to the farmer. Research work with Extension Bulletins, reports, etc. Seniors, Second semester.

CATALOGUE OF STUDENTS

COLLEGE DEPARTMENT

SENIORS B. S.

Name	Post Office	County or State
King, Ondria	Jacksonville	Duval
Romer, Kathleen D.	Tampa	Hillsboro
Saunders, Harold C.	Tampa	Hillsboro
Silas, Martin R.	Kissimmee	Osceola
Spencer, Harpie M.	Tallahassee	Leon
Young, E. Gareth	Tallahassee	Leon

JUNIORS B. S.

Bisson, Wheelock A.	Key West	Monroe
Davis, Leonard E.	Miami	Dade
Scott, Robert M.	Jacksonville	Duval
Smith, Elvira T.	Greenland	Duval
Watkins, Ethel	Sanford	Seminole

SOPHOMORE CLASS

Currie, Samuel	Clearwater	Pinellas
Eaverly, Wallace	Sanford	Seminole
Espy, Naomi	Gifford	St. Lucie
Jenkins, Samuel	Monticello	Jefferson
Lewis, Samuel J.	Alachua	Alachua
Mayo, Lillie C.	Brooksville	Hernando
Rolf, Daniel	Tampa	Hillsboro
Starke, George	Hawthorne	Alachua
Starke, Lancaster	Hawthorne	Alachua
Stewart, Amy R.	Jacksonville	Duval
Williams, George	Tallahassee	Leon
Williams, Nathaniel	Clearwater	Pinellas

FRESHMAN CLASS

Blake, Alfonso	Plant City	Hillsboro
Benton, Clem	Sanford	Seminole
Curtis, Shirley	Clearwater	Pinellas
Jackson, Victoria	Sanford	Seminole
DeVaughn, Jauncey	Pensacola	Escambia
Pinkney, Eugene	DeFuniak	Walton
Reid, Thomas	Key West	Monroe
Thomas, Luther	Quitman	Georgia

NORMAL DEPARTMENT

SENIOR CLASS

Wallace, Fred	Jacksonville	Duval
Davis, Luther	Ocala	Marion
Hawkins, Edith R.	Orlando	Orange
Pearson, Ola Mae	Ft. Valley	Georgia
Thomas, Irma R.	Pensacola	Escambia
Wilkins, Thelma A.	Pensacola	Escambia

JUNIOR CLASS

Barrett, Edith	Lakeland	Polk
Frear, Viola	Pensacola	Escambia
Jones, Josephine	Jacksonville	Duval
Love, Beatrice	Tallahassee	Leon
Powell, Mary	Pensacola	Escambia
Spencer, Eldist	Tallahassee	Leon

SENIOR H. E.

Bell, Daisy D.	River Junction	Gadsden
Davis, Thelma E.	Tallahassee	Leon
Freeland, Jennie C.	Tallahassee	Leon
Jordan, Susie E.	Leesburg	Lake
Pryor, Sadie E.	Pensacola	Escambia
Rochelle, Cecelia D.	Lakeland	Polk
Watson, Mabel R.	Pensacola	Escambia

JUNIOR H. E.

Grant, Pete Birdie	Tallahassee	Leon
Fields, Gladys	Palatka	Putnam
Fitzgiles, Emma	Monticello	Jefferson
Tillman, Gladys	Pensacola	Escambia

HIGH SCHOOL DEPARTMENT

FOURTH YEAR CLASS

Andrews, Cyril B.	Jacksonville	Duval
Baldwin, Jacob	Burbank	Marion
Barnett, Lela	Live Oak	Suwannee
Brown, Frank	Ocala	Marion
Coleman, Janie	Monticello	Jefferson
Clements, Dewey	Waycross	Georgia
Friall, Gladys	Jacksonville	Duval
Gray, Luther	Marianna	Jackson
Henry, Annie Lee	Delray	Palm Beach
Hicks, Leonard	Orlando	Orange
Holmes, Marion	Palatka	Putnam

McMickens, Susie	Edgar	Putnam
Maddox, Henry	Tampa	Hillsboro
Madison, Susie	Jacksonville	Duval
Mattox, Flossie	Water Town	Columbia
Martin, Marie	Tampa	Hillsboro
McQueen, Robert	Thomasville	Georgia
Nixon, Minnie	Madison	Madison
Pettis, Altdmese	Tallahassee	Leon
Ponder, Josie	Tallahassee	Leon
Richardson, George	Orlando	Orange
Smith, Eugene	Ocala	Marion
Smith, Henry	Ocala	Marion
Thompson, Gussie	Tallahassee	Leon
Wilkie, Annie	Miami	Dade
Williams, Eloise	Tallahassee	Leon

THIRD YEAR CLASS

Adderly, Quintin	Waycross	Georgia
Andrews, Wallace	Jacksonville	Duval
Bell, Albert	Tallahassee	Leon
Bradford, Eugene	Warrington	Escambia
Brown, Nettie	Sanford	Seminole
Bryant, Susie	Tampa	Hillsboro
Burnett, Henry	Orlando	Orange
Butler, James	Jacksonville	Duval
Denson, Joseph	Arcadia	DeSoto
DuHart, Aleathea	Orlando	Orange
Dwight, Edith	Jacksonville	Duval
Espy, Henry	Gifford	St. Lucie
Espy, Rosella	Gifford	St. Lucie
Everett, Quintin	Waycross	Georgia
Edwards, Leah	Tallahassee	Leon
Finlyson, Theodore	Monticello	Jefferson
Fletcher, Dorothy	Gainesville	Alachua
Forest, Estelle	Lake City	Columbia
Gary, Mamie	Valdosta	Georgia
Gaulding, Rosa	Kissimmee	Osceola
Green, George McEvan	Tampa	Hillsboro
Hill, Charles	Bartow	Polk
Hill, Gertrude	Tallahassee	Leon
Hines, Jonathan	Lakeland	Polk
Hudnell, Althea	West Palm Beach	Palm Beach
Hudson, Troy	Tampa	Hillsboro
Jones, Ruth	Tallahassee	Leon
Leggett, Blanche	Key West	Monroe
Loray, Leona	Tampa	Hillsboro
Longworth, Leo	Bartow	Polk
Mears, Willard	Key West	Monroe
Mitchell, Matthew	Jacksonville	Duval
Nevils, Walter	Tampa	Hillsboro

Nims, Fred	Tallahassee	Leon
Nixon, Mabel	Homeland	Polk
Pettis, Earnestine	Tallahassee	Leon
Rambeau, Fleta	Donaldsonville	Georgia
Richardson, Herman	Orlando	Orange
Robinson, Lucile	Tallahassee	Leon
Rogers, Josephine	Tampa	Hillsboro
Roundtree, Hosea	Perry	Taylor
Roberts, Dewey	Gainesville	Alachua
Silas, Carrie	Kissimmee	Osceola
Sims, Thomas	Tuscaloosa	Alabama
Square, Annie	Bainbridge	Georgia
Sweet, Henry W.	Bartow	Polk
Tompkins, Lottie	Jacksonville	Duval
Tyson, Clarence	Savannah	Georgia
Willis, Sallie	Palatka	Putnam
Wilson, Joseph	Quincy	Gadsden
Yates, Roland	Jacksonville	Duval
Yates, Iris	Jacksonville	Duval

SECOND YEAR CLASS

Adams, Edith	Lisbon	Lake
Alexander, Ossie	Donaldsonville	Georgia
Baldwin, Sarah	Burbank	Marion
Banks, Fannie	Americus	Georgia
Bassett, Corine	Jacksonville	Duval
Cady, Davis	DeFuniak	Walton
Cannon, Maggie	Bainbridge	Georgia
Celestone, Josie	Warrington	Escambia
Chapman, Ida	Longwood	Seminole
Collier, Essie Mae	Donaldsonville	Georgia
Coles, Robert	Jacksonville	Duval
Daniels, Claudia	Jacksonville	Duval
Davis, Clara	Homeland	Polk
Debmon, Wilbur	Waycross	Georgia
Durant, John	Ocala	Marion
Fitzgiles, Maggie	Monticello	Jefferson
Frazier, Bertha	Ft. Myers	Lee
Gavin, Ruby	Wakulla	Wakulla
Gilmore, Mattie	Ft. Myers	Lee
Gordon, Frankie	Tampa	Hillsboro
Hamilton, James	Tampa	Hillsboro
Hardon, Robert	Quincy	Gadsden
Harris, Maggie	Winter Park	Orange
Hollingsworth, Alberta	Waycross	Georgia
Howard, Minnie	Flomaton	Georgia
Howard, Oscar	Miami	Dade
Hudson, Idella	Tampa	Hillsboro
Jefferson, Para Lee	Tallahassee	Leon
Johnson, Claudia	West Palm Beach	Palm Beach
Kennedy, Wayman	Sparr	Marion

King, Emanuel	Kissimmee	Osceola
Lightbourne, Agnes	West Palm Beach	Palm Beach
Lewis, Robert	Tallahassee	Leon
Mitchell, Benjamin	Orlando	Orange
Nixon, Alice	Homeland	Polk
Nixon, Alma	Homeland	Polk
Pottsdamer, Theresa	Tallahassee	Leon
Reese, Georgiana	Live Oak	Suwannee
Rivers, Henretta	Tallahassee	Leon
Robinson, Rosa	Tallahassee	Leon
Robinson, Bessie	Tallahassee	Leon
Sawyer, Cecilia	Key West	Monroe
Scott, Clara	Tallahassee	Leon
Simmons, Amelia	St. Augustine	St. Johns
Sweet, Charles	Quincy	Gadsden
Trapp, Frances	Miami	Dade
Turner, Hilda	Tampa	Hillsboro
Washington, Willie	Pensacola	Escambia
Williams, James A.	Cairo	Georgia
Williams, Mabel	Waycross	Georgia
Williams, Ruth	Miami	Dade
Williams, Rossie	Lisbon	Lake
Wilson, Veresta	Quincy	Gadsden
Winston, John	Detroit	Michigan

FIRST YEAR A CLASS

Adams, Frank	Quitman	Georgia
Anderson, Marion	Jacksonville	Duval
Anthony, Sandy	Kissimmee	Osceola
Ayers, Carrie	Gifford	St. Lucie
Bassett, Eugene	Tampa	Hillsboro
Blye, Sammie	Jacksonville	Duval
Calhoun, Frances	Arcadia	DeSoto
Coleman, Emma	Clearwater	Pinellas
Coleman, Etta	Dunnellon	Marion
Conoly, George	Bay Harbor	Bay
Clemens, Waddel	Tampa	Hillsboro
Diggs, Minerva	Lake City	Columbia
Espy, Theodore	Gifford	St. Lucie
Evans, St. Clair	Perry	Taylor
Faulk, Annie	Pensacola	Escambia
Ferrell, Alma	Tampa	Hillsboro
Fossit, Ruby	Madison	Madison
Fossit, Verdie Lee	Madison	Madison
Forest, Joseph	Lake City	Columbia
Grant, Thelma	Jacksonville	Duval
Griffin, Maceo	Fort Pierce	St. Lucie
Glover, Boysie	Plant City	Hillsboro
Glover, Howard	Plant City	Hillsboro
Hall, John Lee	Oviedo	Seminole

Hamilton, William	Tampa	Hillsboro
Hardon, Theima	Valdosta	Georgia
Headley, Harold	Tampa	Hillsboro
Hendon, Fred	Jacksonville	Duval
Hill, Clem	Arcadia	DeSoto
Holiday, Alma	Pelham	Georgia
Jackson, Meltonia	Jacksonville	Duval
Joseph, Edward	Tampa	Hillsboro
Johnson, Lottie	Sparr	Marion
Jones, Augustus	Quincy	Gadsden
Justice, Lillie Mae	Tampa	Hillsboro
Lawson, Samuel	Ocala	Marion
Lockhart, John	Waycross	Georgia
Lopez, Malvinia	Pensacola	Escambia
McLarin, Maryland	Jacksonville	Duval
Mitchell, Henry	Jacksonville	Duval
Moore, Nellie	Stewart	Palm Beach
Nelso, Alvie	Quincy	Gadsden
Oxandine, Frank	Oviedo	Seminole
Philyaw, Rhodell	Attapulugus	Georgia
Richardson, Marin	Jacksonville	Duval
Rooks, Milton	Clearwater	Pinellas
Roulac, Oswald	Chipley	Washington
Rutherford, Mary	Callahan	Nassau
Saunders, Willie Mae	Plant City	Hillsboro
Saunders, Charlie Mae	Plant City	Hillsboro
Scott, Sarah	Tallahassee	Leon
Scott, Clara	Tampa	Hillsboro
Smith, Madge	Lake City	Columbia
Smith, Mamie	Sparr	Marion
Stirrup, Lillian	St. Augustine	St. Johns
Everett, Thornton	Jacksonville	Duval
Twine, Hazel	Tallahassee	Leon
Tolliver, Hugh	Thomasville	Georgia
Ware, Ollie	Tallahassee	Leon
Washington, Julia	Pensacola	Escambia
Whitehead, Anthony	Jacksonville	Duval
Williams, Jazie	Amsterdam	Georgia
Williams, Learntine	Lisbon	Lake
Williams, Algie	Tallahassee	Leon
Wright, Vernier Lee	Panama City	Bay
Whitfield, Lena	Callahan	Nassau
Whitfield, Bernice	Callahan	Nassau

FIRST YEAR B CLASS

Albert, Hattie	Tallahassee	Leon
Allen, Corine	Sopchoppy	Wakulla
Anderson, Ruby	Crescent City	Putnam
Black, Lucile	Ashville	Jefferson
Black, Harriet	Orlando	Orange

Bradshaw, Rosa	Kissimmee	Osceola
Carr, Ruth	Tallahassee	Leon
Cook, Quincy	Miami	Dade
Crompton, Thomas	Jacksonville	Duval
Cromartie, Sophia	Tallahassee	Leon
Deveaux, Flournoy	Marianna	Jackson
Jones, Disney	Quincy	Gadsden
Gaines, Hazel	Tallahassee	Leon
Gray, Fred	Marianna	Jackson
Hayes, Roderick	Arcadia	DeSoto
Harris, Delphia	Tallahassee	Leon
Jessie, Marietta	Jokin	Early
Kennedy, Blanche	Sparr	Marion
Lavatte, Hattie	Tallahassee	Leon
Maxey, Admiral	Saulvas	Marion
McDuffie, Lillie Mae	Laurel Hill	Okaloosa
McHardy, Charles	Stewart	Palm Beach
Laster, Julius	Ashville	Jefferson
Little, William	Burbank	Marion
Merrett, Frank	Marianna	Jackson
Mitchell, Bessie	Tampa	Hillsboro
Mobley, Arefeltre	Tallahassee	Leon
Oliver, John	Tallahassee	Leon
Philyaw, Alfonso	Tallahassee	Leon
Peters, Mary	Buffalo	New York
Reed, Sallie	Tallahassee	Leon
Rosier, Nellie	Sanford	Seminole
Scotto, Hazel	Oakland	Orange
Simmons, Carrie	Plant City	Hillsboro
Simmons, Willie	Madison	Madison
Slaton, Julia	Blakely	Early
Stewart, William	Jacksonville	Duval
Stewart, Harry	Tallahassee	Leon
Stockton, John	Quincy	Gadsden
Turner, Lowell	Tallahassee	Leon
Twine, Alease	Tallahassee	Leon
Walden, Rosebud	Whigham	Georgia
Walden, Addie	Whigham	Georgia
Williams, Annie	Southport	Bay
Williams, Golie	Amsterdam	Georgia
Williams, Willie	Quincy	Gadsden
Young, Julia	Tallahassee	Leon

IRREGULARS

Allen, John	Sopchoppy	Wakulla
Banks, Earnest	Bainbridge	Georgia
Marshall, Ivory	Sparr	Marion
Thompson, Carl	Clearwater	Pinellas
West, Clinton	Quincy	Gadsden

SPECIALS

NURSE TRAINING

Anderson, Mary	Tallahassee	Leon
Goff, Beatrice	Tallahassee	Leon
Haile, Rosa	Gainesville	Alachua
Keeling, Alease	Pensacola	Escambia
Missouri, Theoro	Quincy	Gadsden
Pinkney, Myrtle	Gainesville	Alachua
Randall, Sarah	Tallahassee	Leon
Thompson, Essie	Tallahassee	Leon
Williams, Maggie	Due West	South Carolina

BUSINESS INSTRUCTION

Baker, Katie Mae	Yazoo City	Mississippi
Hoskins, Elnora	Memphis	Tennessee
Redding, Lottie	Tallahassee	Leon

GENERAL SUMMARY

COLLEGE DEPARTMENT

	Men	Women	Both
Seniors	2	4	6
Juniors	3	2	5
Sophomores	9	3	12
Freshmen	8	2	10
	<hr/> 22	<hr/> 11	<hr/> 33

NORMAL DEPARTMENT

Seniors	0	4	4
Juniors	0	6	6
Seniors H. E.	0	7	7
Juniors H. E.	0	4	4
	<hr/> 0	<hr/> 21	<hr/> 21

HIGH SCHOOL DEPARTMENT

Fourth Year	10	16	26
Third Year	26	25	51
Second Year	14	40	54
First Year A	23	44	67
First Year B	15	32	47
	<hr/> 88	<hr/> 157	<hr/> 245

SUB-HIGH SCHOOL DEPARTMENT

Irregulars	5	0	5
Specials	0	12	12
Total	5	12	17
Grand Total			316

NUMBER BY FLORIDA COUNTIES

	Summer School	Regular Term
Alachua	5	7
Bay	2	3
Brevard	3	0
Bradford	1	0
Clay	1	0
Columbia	6	5
Dade	2	6
DeSoto	0	3
Duval	29	31
Escambia	16	19
Franklin	1	0
Gadsden	4	11
Madison	3	4
Marion	2	16
Monroe	7	5
Nassau	4	3
Orange	13	10
Osceola	0	6
Palm Beach	0	6
Pinellas	1	6
Polk	4	8
Hernando	0	1
Pasco	1	0
Hillsboro	9	28
Jackson	3	4
Jefferson	1	7
Lake	2	4
Lee	1	2
Leon	62	48
Levy	3	0
Early	0	2
Sumter	1	0
Putnam	9	5
Seminole	1	8
St. Johns	2	2
St. Lucie	0	6
Suwannee	2	1
Volusia	7	0
Taylor	1	2
Walton	2	2

Washington	0	4
Wakulla	3	4
Okaloosa	1	1

SUMMARY BY STATES

	Summer School	Regular Term
Florida	244	281
Alabama	0	1
South Carolina	0	1
Georgia	4	28
Michigan	0	1
Mississippi	0	1
Pennsylvania	0	1
New York	0	1
Tennessee	0	1
Total		316

SUMMER SCHOOL FACULTY 1920

Nathan B. Young, A. M., Litt. D., President

Homer Thomas, A. M., Director
Education

Miss L. M. Cropper
Methods and Geography

R. J. Hawkins, B. A.
English

H. F. Coleman, B. A.
Mathematics

Mrs. E. P. Jones
Primary Methods

G. M. Sampson, A. M.
Mathematics

A. L. Mebane, B. S.
Agriculture

Miss E. C. May, B. S.
Domestic Science

Miss E. O. Paige
Domestic Art

Miss J. A. Calvin, Secretary
Librarian

Robert Bruce, B. S. A.
Agriculture and Physiology

Miss M. R. Brooks
Freehand Drawing

B. L. Waits, A. M.
Physics and Mathematics

SUMMER SCHOOL

Ayers, Fannie J.	Alachua
Allen, Addie	Leon
Andrews, Cyril	Duval
Andrews, Wallace	Duval
Adams, Leona	Monroe
Adger, Jessie	St. John
Anderson, Christina	Walton
Anderson, Susie A.	Walton
Armstead, Catherine	Leon
Bridges, Onida	Georgia
Baker, Essie	Jackson
Brooks, Polly	Duval
Bailey, Alma Allen	Hillsboro
Belfon, Alexander	Orange
Belvin, Enendrus	Columbia
Bennett, Sarah V.	Gadsden
Bloom, Robert	Madison
Brady, Nancy E.	Hillsboro
Bryant, Charlotte H.	Hillsboro
Brown, Nettie	Leon
Brown, Celia E.	Leon
Brown, Marie	Monroe
Brooks, Julia A.	Duval
Bland, Bertha A.	Duval
Brown, Odessa H.	Hillsboro
Brown, Gertrude E.	Escambia
Brown, Edna G.	Monroe
Bryan, Ella K.	Alachua
Black, Susie	Duval
Bradley, Annie E.	Madison
Board, Martha	Orange
Blye, Minnie L.	Duval
Barnette, Arilena	Suwannee
Blye, Sammie	Duval
Clayborne, Arie	Orange
Clemons, Nellie	Leon
Colwell, Genieve	St. Johns
Colman, Jennie	Leon
McLary, Lucinda	Leon
Cooper, Lillian M.	Alachua
Cameron, Marina	Putnam
Curinton, Arrie Lee	Madison
Crumedy, Sophia	Leon
Curry, Corin	Hillsboro
Cunningham, Lillian	Escambia
DeBose, Margie	Alachua
Daniels, Pearl	Orange
Drakeford, Estelle	Putnam
DeBose, Rubiana	Duval

Dingle, Cloie	Dade
Dixon, Marie	Jackson
Douglass, Pauline V.	Orange
DeVaughn, Carrie K.	Nassau
DeBose, Targie	Putnam
Dames, Marian A.	Leon
Edwards, Margarette	Brevard
Edwards, Elizabeth	Leon
Edwards, Mary	Escambia
Friall, Gladys	Leon
Finninagan, Virginia	Georgia
Ferrell, Sarah	Hillsboro
Freeland, Jennie	Leon
Forest, Estelle	Columbia
Frazier, Jonas	Leon
Freeman, Katie L.	Escambia
Finsley, Linnie	Duval
Fatie, Margaret	Volusia
Frazier, Bessie	Leon
Gibson, Lula B.	Levy
George, Maggie L.	Levy
Gardner, Minnie L.	Leon
Gibbs, Cadette	Polk
Gilmore, Salena	Jackson
Green, Gerlineve	Hillsboro
Gardner, Gerlineve	Duval
Griffin, Jessie E.	Duval
Hannon, Genevieve	Escambia
Hardon, Lillian	Leon
Harvey, Suwnee	Wakulla
Hawkins, Edith	Leon
Henderson, Margie	Putnam
Henry, Viola	Brevard
Herrera, Alejandrina	Monroe
Hicks, Bella	Escambia
Hill, Gertrude	Leon
Holly, Emma	Leon
Houston, Flossie	St. Johns
Harrison, Beulah Mae	Columbia
Holmes, Marion	Putnam
Howard, Georgie	Leon
Hartwell, Carrie	Clay
Hankins, Rosa E.	Orange
Hardon, Fannie F.	Georgia
Hodges, Mamie C.	Duval
Houston, Saddy B.	Duval
Jackson, Rebecca	Escambia
James, Florida L.	Volusia
Joiner, Beulah	Leon
Johnson, Frances J.	Leon
Jefferson, Paralee	Leon

Johnson, Annie H.	Nassau
Jones, Jeannette T.	Leon
Jones, Fannie	Alachua
Jones, Ethel	Columbia
Keller, Jessie R.	Bradford
King, Nannie J.	Duval
Keys, Beatrice	Volusia
Lucas, Marie	
Lightsy, Arline	Duval
McDonald, Loulah	Alachua
McGhee, Allie	Leon
McPherson, Mary	Leon
McDuffie, Lilla Mae	Okaloosa
McMickens, Sussie	Leon
McPherson-Edmondson, Mary	Monroe
Lewis, Ida C.	Leon
Leaver, Lillie A.	Volusia
Maddry, Ella	Jefferson
Martin, Viola E.	Leon
Murrell, Lucy L.	Orange
Murray, Willie L.	Leon
Moore, Hattie L.	Pasco
Matthews, Martha	Okaloosa
Mitchell, Bessie	Georgia
Major, Anthony	Hillsboro
Milton, Jessie	Putnam
Mills, Polly	Escambia
Matthews, Mary	Okaloosa
Mattox, Georgetta	Columbia
Madison, Hallie G.	Alachua
Meacham, Rosa	Duval
Muse, Cornelia	Duval
Mitchell, Minnie	Duval
Nixon, Alice	Leon
Nixon, Alma	Leon
Nixon, Mabel	Leon
Nims, Louise	Leon
Nixon, Olive E.	Franklin
Patterson, Artie E.	Orange
Perry, Aletha	Alachua
Ponder Ayer, Fannie	Marion
Pinkney, Eugene	Leon
Phillips, Alberta	Suwannee
Pottsdamer, Pinkey	Leon
Purcell, Bettie	Leon
Reeves, Nellie	Escambia
Robinson, Alberta	Leon
Robinson, Rosa	Leon
Roundtree, Isaiah	Taylor
Rollins, Emma	Leon

Robinson, Maggie	Putnam
Rollins, Frances	Wakulla
Rossme, Catherine	Leon
Roundtree, Hosea	Leon
Rutland, Rosa Lee	Marion
Robinson, Elizabeth C.	Leon
Sweet, Charles, Gadsden	Gadsden
Sunday, Leola A.	Escambia
Sunday, Idella E.	Escambia
Strabart, Martha	Seminole
Stokes, Joseph Q.	Brevard
Stirrup, Katherine	Dade
Stewart, Ethel Mae	Polk
Spikes, Mattie A.	Levy
Spencer, Harpie	Leon
Simmons, Girtha Mae	Duval
Silas, Martin	Leon
Simpson, Lillian	Gadsden
Spencer, Eldist	Leon
Small, Theresa	Pinellas
Smith, Lucy A.	Gadsden
Sims, Thomas	Leon
Sims, Carrie	Escambia
Smith, Keturah	Duval
Smith-Black, Virginia	Volusia
Sharp-Poe, Lula	Lake
Stephens, Maggie L.	Orange
Sparks, Daniels	Columbia
Starke, Minnie Mae	Alachua
Smith, Everett	Columbia
Scotto, Hazel	Orange
Twottie, Mary	Volusia
Thomas, Dasia	Orange
Taylor, Phoebe	Nassau
Taylor, Letitia	Leon
Taylor, Janie F.	Nassau
Thompson, Pernina	Wakulla
Thompson, Ida	Wakulla
Thomas, Harriett	Escambia
Thomas, Dena Annie	Putnam
Turnbull, Annie L.	Duval
Thomas, Marian	Leon
Thomas, Mamie J.	Orange
Thompson, Buck	Taylor
Thompson, Bessie	Duval
Twine, Sallie	Leon
Thompson, Essie Mae	Leon
Volasco, Lelia	Lee
Vickers, Ernia	Duval
Williams, Lucinda	Bay
Wilson, Lettie L.	Leon

Wilson, Joseph	Gadsden
Williams, Lillie B.	Sumter
Williams, Ruth	Escambia
Williams, Mattie B.	Polk
Williams, Henretta	Leon
Williams, Elnora E.	Duval
Williams, Amelia E.	Volusia
Wiggins, Lucinda	Gadsden
Whitehead, Anthony	Duval
Whittaker, Mary Anne	Leon
Whitefield, Nettie	Nassau
Washington, Julia	Escambia
Williams, A. F.	Duval
Williams, Nattie B.	Duval
White, Lilla	Alachua
Ward, Janie	Hillsboro
Walker, Otha	Alabama
Walden, Elnira	Polk
Welters, Romaldo	Monroe
Washington, Selina	Monroe
Washington, Mary F.	Escambia
Woodberry, Ethel	Leon
Wright, Gussie L.	Leon
Winston, John	Michigan
Williams, Ella	Orange
Wallace-Sharp,	Volusia
Wilson, Lela	Leon
Williams, Maggie C.	Duval
Williams, Hampton C.	Alachua
White, Daniel E.	Alachua

SUMMER COURSE HOME ECONOMICS

Two courses will be given in the Home Economics Department during the Summer Session.

COURSE I.—Normal Course extending over four summers and leading to a Normal certificate. **Prerequisite:**—Each student entering this course must hold a High School Diploma or have a training equivalent to a four years High School Course.

NORMAL COURSE OF STUDY—COOKING AND SEWING

JUNIOR

English Grammar.....	5	School Management.....	5
Psychology.....	5	English: Oral-Written Com.	5
General Science.....	5	Foods and Nutrition.....	4
Elementary Foods & Nutrition	4	Clothing and Textiles.....	4
Elementary Clothing.....	4	Rural Economics.....	4
Physical Training.....	1	Household Administration.....	2
Elective.....		Physical Training	1
Music.....	1	Elective.....	
		Music.....	1

SENIOR

History and Civics.....	5	English.....	5
Methods of Teaching H. E.	5	Household Chemistry	5
Advanced Foods & Nutrition	4	Practice Teaching	5
Advanced Clothing.....	4	Dietetics.....	5
Elementary Chemistry	5	History of Education.....	5
Elective.....		Elective.....	
Physical Training.....	1	Physical Training.....	1
Music.....	1	Music	1
Bacteriology.....	3		

COURSE II.—This course is required of all students entering Summer School for the first time. It is called the Homemakers Course, and will include Simple garment making, use of commercial patterns, lessons in Planning and Serving Meals, Marketing, Food Values, Canning, Preserving and Household Administration.

All students electing Home Economics are subject to the same routine for entrance outlined in the Summer School Edition of the Bulletin, March 1921.

For detailed explanation of subjects offered refer to catalogue. A limited number of students will be registered in both courses.

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